



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]  
[TESTLAB] AMERICANLITE  
[TESTDATE] 2023-02-13  
[ISSUEDATE] 2023-02-13 22:45:18  
[LAMPPOSITION] 0,0  
[OTHER] EVERFINE GO-2000A\_V1 SYSTEM  
[MANUFAC] LumenFocus, LLC.  
[LUMCAT] PFK SEL140 66 UV 8SEL [140W, 4000K]

### CHARACTERISTICS

|                              |                   |
|------------------------------|-------------------|
| NEMA Type                    | 6 H x 6 V         |
| Maximum Candela              | 12720.106         |
| Maximum Candela Angle        | -1H 0V            |
| Horizontal Beam Angle (50%)  | 86.5              |
| Vertical Beam Angle (50%)    | 79.7              |
| Horizontal Field Angle (10%) | 106.7             |
| Vertical Field Angle (10%)   | 113.5             |
| Lumens Per Lamp              | 21151.09 (1 lamp) |
| Total Lamp Lumens            | 21151.09          |
| Beam Lumens                  | 16770             |
| Beam Efficiency              | 79 %              |
| Field Lumens                 | 20211             |
| Field Efficiency             | 96 %              |
| Spill Lumens                 | 936               |
| Luminaire Lumens             | 21147             |
| Total Efficiency             | 100 %             |
| Total Luminaire Watts        | 142.7             |
| Ballast Factor               | 1.00              |

**IES FLOOD REPORT****PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES****AXIAL CANDELA**

| DEG. | HOR.     | DEG. | VERT.     |
|------|----------|------|-----------|
| 90   | 1.73     | 90   | 1.822     |
| 89   | 1.988    | 85   | 21.104    |
| 88   | 3.271    | 80   | 40.386    |
| 87   | 4.625    | 75   | 59.667    |
| 86   | 6.281    | 70   | 193.673   |
| 85   | 8.339    | 65   | 327.679   |
| 84   | 11.182   | 60   | 461.685   |
| 83   | 15.638   | 55   | 1564.929  |
| 82   | 24.058   | 50   | 2668.13   |
| 81   | 34.966   | 45   | 3771.332  |
| 80   | 47.137   | 40   | 5916.101  |
| 79   | 61.054   | 35   | 8060.765  |
| 78   | 77.332   | 30   | 10205.534 |
| 77   | 93.708   | 25   | 10906.855 |
| 76   | 114.643  | 20   | 11607.333 |
| 75   | 139.538  | 15   | 12308.864 |
| 74   | 168.504  | 10   | 12445.594 |
| 73   | 200.888  | 5    | 12582.324 |
| 72   | 239.015  | 0    | 12719.054 |
| 71   | 267.181  | -5   | 12620.188 |
| 70   | 294.79   | -10  | 12520.27  |
| 69   | 329.898  | -15  | 12421.403 |
| 68   | 355.908  | -20  | 11872.379 |
| 67   | 380.93   | -25  | 11323.356 |
| 66   | 407.698  | -30  | 10774.332 |
| 65   | 446.655  | -35  | 8727.167  |
| 64   | 476.284  | -40  | 6680.107  |
| 63   | 505.638  | -45  | 4633.047  |
| 62   | 538.348  | -50  | 3257.963  |
| 61   | 574.834  | -55  | 1882.879  |
| 60   | 618.43   | -60  | 507.742   |
| 59   | 679.948  | -65  | 357.76    |
| 58   | 758.663  | -70  | 207.767   |
| 57   | 845.634  | -75  | 57.77     |
| 56   | 974.886  | -80  | 40.807    |
| 55   | 1104.569 | -85  | 23.844    |
| 54   | 1288.103 | -90  | 6.881     |
| 53   | 1522.437 |      |           |
| 52   | 1798.001 |      |           |
| 51   | 2131.412 |      |           |
| 50   | 2574.943 |      |           |
| 49   | 3088.838 |      |           |
| 48   | 3593.688 |      |           |
| 47   | 4162.906 |      |           |
| 46   | 4777.77  |      |           |
| 45   | 5438.282 |      |           |
| 44   | 6106.471 |      |           |
| 43   | 6761.093 |      |           |
| 42   | 7390.367 |      |           |
| 41   | 7976.729 |      |           |
| 40   | 8505.769 |      |           |
| 39   | 8981.59  |      |           |
| 38   | 9394.935 |      |           |
| 37   | 9759.899 |      |           |

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**AXIAL CANDELA - (Cont.)**

| DEG. | HOR.      | DEG. | VERT. |
|------|-----------|------|-------|
| 36   | 10079.953 |      |       |
| 35   | 10360.67  |      |       |
| 34   | 10600.79  |      |       |
| 33   | 10811.144 |      |       |
| 32   | 10989.944 |      |       |
| 31   | 11149.813 |      |       |
| 30   | 11284.44  |      |       |
| 29   | 11406.445 |      |       |
| 28   | 11510.571 |      |       |
| 27   | 11610.489 |      |       |
| 26   | 11697.786 |      |       |
| 25   | 11781.927 |      |       |
| 24   | 11855.551 |      |       |
| 23   | 11931.279 |      |       |
| 22   | 11996.488 |      |       |
| 21   | 12065.905 |      |       |
| 20   | 12123.752 |      |       |
| 19   | 12185.807 |      |       |
| 18   | 12240.499 |      |       |
| 17   | 12294.139 |      |       |
| 16   | 12339.365 |      |       |
| 15   | 12387.747 |      |       |
| 14   | 12428.766 |      |       |
| 13   | 12466.629 |      |       |
| 12   | 12499.234 |      |       |
| 11   | 12532.891 |      |       |
| 10   | 12559.185 |      |       |
| 9    | 12587.583 |      |       |
| 8    | 12609.67  |      |       |
| 7    | 12635.964 |      |       |
| 6    | 12653.845 |      |       |
| 5    | 12674.88  |      |       |
| 4    | 12687.501 |      |       |
| 3    | 12702.226 |      |       |
| 2    | 12709.588 |      |       |
| 1    | 12718.002 |      |       |
| 0    | 12719.054 |      |       |
| -1   | 12720.106 |      |       |
| -2   | 12714.847 |      |       |
| -3   | 12710.64  |      |       |
| -4   | 12698.019 |      |       |
| -5   | 12687.501 |      |       |
| -6   | 12669.621 |      |       |
| -7   | 12652.793 |      |       |
| -8   | 12629.654 |      |       |
| -9   | 12607.567 |      |       |
| -10  | 12580.221 |      |       |
| -11  | 12553.926 |      |       |
| -12  | 12520.27  |      |       |
| -13  | 12484.51  |      |       |
| -14  | 12446.646 |      |       |
| -15  | 12407.73  |      |       |
| -16  | 12361.452 |      |       |
| -17  | 12312.019 |      |       |

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**AXIAL CANDELA - (Cont.)**

| DEG. | HOR.      | DEG. | VERT. |
|------|-----------|------|-------|
| -18  | 12253.12  |      |       |
| -19  | 12197.376 |      |       |
| -20  | 12137.425 |      |       |
| -21  | 12072.216 |      |       |
| -22  | 12000.695 |      |       |
| -23  | 11923.916 |      |       |
| -24  | 11842.93  |      |       |
| -25  | 11759.84  |      |       |
| -26  | 11667.284 |      |       |
| -27  | 11566.314 |      |       |
| -28  | 11457.982 |      |       |
| -29  | 11342.287 |      |       |
| -30  | 11209.764 |      |       |
| -31  | 11056.206 |      |       |
| -32  | 10886.871 |      |       |
| -33  | 10693.345 |      |       |
| -34  | 10467.741 |      |       |
| -35  | 10205.534 |      |       |
| -36  | 9909.461  |      |       |
| -37  | 9561.115  |      |       |
| -38  | 9160.601  |      |       |
| -39  | 8707.919  |      |       |
| -40  | 8186.872  |      |       |
| -41  | 7591.781  |      |       |
| -42  | 6950.832  |      |       |
| -43  | 6272.125  |      |       |
| -44  | 5579.745  |      |       |
| -45  | 4888.311  |      |       |
| -46  | 4219.596  |      |       |
| -47  | 3587.061  |      |       |
| -48  | 3035.829  |      |       |
| -49  | 2546.756  |      |       |
| -50  | 2059.05   |      |       |
| -51  | 1705.761  |      |       |
| -52  | 1421.046  |      |       |
| -53  | 1173.67   |      |       |
| -54  | 988.674   |      |       |
| -55  | 854.511   |      |       |
| -56  | 750.343   |      |       |
| -57  | 673.259   |      |       |
| -58  | 613.571   |      |       |
| -59  | 562.076   |      |       |
| -60  | 518.565   |      |       |
| -61  | 473.686   |      |       |
| -62  | 439.135   |      |       |
| -63  | 409.654   |      |       |
| -64  | 383.517   |      |       |
| -65  | 357.434   |      |       |
| -66  | 326.943   |      |       |
| -67  | 299.449   |      |       |
| -68  | 274.996   |      |       |
| -69  | 251.678   |      |       |
| -70  | 223.627   |      |       |
| -71  | 195.577   |      |       |

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AXIAL CANDELA - (Cont.)

| DEG. | HOR.    | DEG. | VERT. |
|------|---------|------|-------|
| -72  | 168.02  |      |       |
| -73  | 138.844 |      |       |
| -74  | 116.999 |      |       |
| -75  | 96.765  |      |       |
| -76  | 79.783  |      |       |
| -77  | 64.716  |      |       |
| -78  | 51.142  |      |       |
| -79  | 38.928  |      |       |
| -80  | 28.233  |      |       |
| -81  | 19.542  |      |       |
| -82  | 13.019  |      |       |
| -83  | 9.695   |      |       |
| -84  | 7.132   |      |       |
| -85  | 5.212   |      |       |
| -86  | 3.736   |      |       |
| -87  | 2.42    |      |       |
| -88  | 1.893   |      |       |
| -89  | 1.964   |      |       |
| -90  | 2.087   |      |       |

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**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 10573.63

Total Field Lumens (one side of beam only) = 10105.45

\* Indicates Values Inside Field Edge

| Vert.<br>Angles | Horizontal Angles |          |          |          |          |          |          |          |          |          |
|-----------------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                 | <u>0</u>          | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | <u>9</u> |
| 90              |                   |          |          |          |          |          |          |          |          |          |
| 85              | 0.02              | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     | 0.02     |
| 80              | 0.05              | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     | 0.05     |
| 75              | 0.08              | 0.08     | 0.08     | 0.08     | 0.08     | 0.08     | 0.07     | 0.07     | 0.07     | 0.07     |
| 70              | 0.19              | 0.19     | 0.19     | 0.19     | 0.19     | 0.19     | 0.19     | 0.18     | 0.18     | 0.18     |
| 65              | 0.40              | 0.40     | 0.39     | 0.39     | 0.39     | 0.39     | 0.38     | 0.38     | 0.37     | 0.37     |
| 60              | 0.60              | 0.60     | 0.60     | 0.59     | 0.59     | 0.58     | 0.57     | 0.57     | 0.56     | 0.55     |
| 55              | 1.54              | 1.54     | 1.53     | 1.52     | 1.51     | 1.49     | 1.47     | 1.45     | 1.43     | 1.40     |
| 50              | 3.22 *            | 3.22 *   | 3.20 *   | 3.18 *   | 3.15 *   | 3.12 *   | 3.08 *   | 3.03 *   | 2.97 *   | 2.91 *   |
| 45              | 4.90 *            | 4.89 *   | 4.87 *   | 4.84 *   | 4.80 *   | 4.74 *   | 4.68 *   | 4.60 *   | 4.52 *   | 4.42 *   |
| 40              | 7.37 *            | 7.36 *   | 7.34 *   | 7.30 *   | 7.25 *   | 7.19 *   | 7.12 *   | 7.03 *   | 6.94 *   | 6.83 *   |
| 35              | 10.64 *           | 10.63 *  | 10.61 *  | 10.57 *  | 10.53 *  | 10.47 *  | 10.40 *  | 10.32 *  | 10.23 *  | 10.13 *  |
| 30              | 13.91 *           | 13.90 *  | 13.87 *  | 13.84 *  | 13.80 *  | 13.75 *  | 13.68 *  | 13.61 *  | 13.53 *  | 13.43 *  |
| 25              | 16.07 *           | 16.06 *  | 16.04 *  | 16.01 *  | 15.97 *  | 15.92 *  | 15.86 *  | 15.79 *  | 15.71 *  | 15.62 *  |
| 20              | 17.14 *           | 17.13 *  | 17.11 *  | 17.08 *  | 17.04 *  | 16.99 *  | 16.92 *  | 16.85 *  | 16.77 *  | 16.68 *  |
| 15              | 18.21 *           | 18.20 *  | 18.18 *  | 18.15 *  | 18.11 *  | 18.05 *  | 17.99 *  | 17.92 *  | 17.84 *  | 17.74 *  |
| 10              | 18.85 *           | 18.84 *  | 18.82 *  | 18.79 *  | 18.74 *  | 18.69 *  | 18.63 *  | 18.56 *  | 18.47 *  | 18.38 *  |
| 5               | 19.06 *           | 19.05 *  | 19.03 *  | 18.99 *  | 18.95 *  | 18.90 *  | 18.84 *  | 18.76 *  | 18.68 *  | 18.59 *  |
| 0               | 19.27 *           | 19.26 *  | 19.23 *  | 19.20 *  | 19.16 *  | 19.11 *  | 19.04 *  | 18.97 *  | 18.89 *  | 18.80 *  |
| -5              | 19.30 *           | 19.29 *  | 19.26 *  | 19.23 *  | 19.19 *  | 19.14 *  | 19.07 *  | 19.00 *  | 18.92 *  | 18.83 *  |
| -10             | 19.14 *           | 19.13 *  | 19.11 *  | 19.08 *  | 19.04 *  | 18.99 *  | 18.93 *  | 18.85 *  | 18.77 *  | 18.68 *  |
| -15             | 18.99 *           | 18.98 *  | 18.96 *  | 18.93 *  | 18.89 *  | 18.84 *  | 18.78 *  | 18.71 *  | 18.63 *  | 18.54 *  |
| -20             | 18.50 *           | 18.49 *  | 18.47 *  | 18.44 *  | 18.40 *  | 18.35 *  | 18.29 *  | 18.22 *  | 18.13 *  | 18.04 *  |
| -25             | 17.66 *           | 17.65 *  | 17.63 *  | 17.60 *  | 17.56 *  | 17.51 *  | 17.45 *  | 17.38 *  | 17.29 *  | 17.20 *  |
| -30             | 16.83 *           | 16.82 *  | 16.80 *  | 16.76 *  | 16.72 *  | 16.67 *  | 16.61 *  | 16.54 *  | 16.45 *  | 16.36 *  |
|                 | 14.85 *           | 14.84 *  | 14.82 *  | 14.78 *  | 14.74 *  | 14.68 *  | 14.62 *  | 14.54 *  | 14.46 *  | 14.36 *  |

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**LUMENS TABULATION - (Cont.)**

|              |         |         |         |         |         |         |         |         |         |         |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>-35</b>   | 11.73 * | 11.72 * | 11.70 * | 11.66 * | 11.61 * | 11.55 * | 11.48 * | 11.40 * | 11.30 * | 11.19 * |
| <b>-40</b>   | 8.61 *  | 8.60 *  | 8.57 *  | 8.54 *  | 8.48 *  | 8.42 *  | 8.34 *  | 8.25 *  | 8.14 *  | 8.03 *  |
| <b>-45</b>   | 6.01 *  | 6.00 *  | 5.97 *  | 5.94 *  | 5.89 *  | 5.83 *  | 5.76 *  | 5.68 *  | 5.59 *  | 5.49 *  |
| <b>-50</b>   | 3.91 *  | 3.91 *  | 3.89 *  | 3.87 *  | 3.84 *  | 3.80 *  | 3.75 *  | 3.70 *  | 3.64 *  | 3.57 *  |
| <b>-55</b>   | 1.82    | 1.82    | 1.81    | 1.80    | 1.78    | 1.76    | 1.74    | 1.72    | 1.69    | 1.66    |
| <b>-60</b>   | 0.66    | 0.66    | 0.65    | 0.65    | 0.64    | 0.64    | 0.63    | 0.62    | 0.61    | 0.60    |
| <b>-65</b>   | 0.43    | 0.43    | 0.43    | 0.42    | 0.42    | 0.42    | 0.41    | 0.41    | 0.40    | 0.40    |
| <b>-70</b>   | 0.20    | 0.20    | 0.20    | 0.20    | 0.20    | 0.20    | 0.19    | 0.19    | 0.19    | 0.19    |
| <b>-75</b>   | 0.08    | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    |
| <b>-80</b>   | 0.05    | 0.05    | 0.05    | 0.05    | 0.05    | 0.05    | 0.05    | 0.05    | 0.05    | 0.05    |
| <b>-85</b>   | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    |
| <b>-90</b>   | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    |
| <b>Total</b> | 310.32  | 310.08  | 309.60  | 308.86  | 307.87  | 306.64  | 305.19  | 303.51  | 301.60  | 299.45  |

| <b>Vert. Angles</b> | <b>Horizontal Angles</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|---------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                     | <b><u>10</u></b>         | <b><u>11</u></b> | <b><u>12</u></b> | <b><u>13</u></b> | <b><u>14</u></b> | <b><u>15</u></b> | <b><u>16</u></b> | <b><u>17</u></b> | <b><u>18</u></b> | <b><u>19</u></b> |
| <b>90</b>           | 0.02                     | 0.02             | 0.02             | 0.02             | 0.02             | 0.02             | 0.02             | 0.02             | 0.02             | 0.01             |
| <b>85</b>           | 0.04                     | 0.04             | 0.04             | 0.04             | 0.04             | 0.04             | 0.04             | 0.04             | 0.04             | 0.04             |
| <b>80</b>           | 0.07                     | 0.07             | 0.07             | 0.07             | 0.07             | 0.07             | 0.07             | 0.07             | 0.07             | 0.06             |
| <b>75</b>           | 0.18                     | 0.17             | 0.17             | 0.17             | 0.17             | 0.16             | 0.16             | 0.16             | 0.15             | 0.15             |
| <b>70</b>           | 0.36                     | 0.35             | 0.35             | 0.34             | 0.33             | 0.33             | 0.32             | 0.31             | 0.30             | 0.30             |
| <b>65</b>           | 0.54                     | 0.53             | 0.52             | 0.51             | 0.50             | 0.49             | 0.48             | 0.47             | 0.46             | 0.44             |
| <b>60</b>           | 1.37                     | 1.34             | 1.30             | 1.26             | 1.23             | 1.19             | 1.14             | 1.10             | 1.06             | 1.01             |
| <b>55</b>           | 2.84 *                   | 2.77 *           | 2.69 *           | 2.60 *           | 2.51 *           | 2.42 *           | 2.32 *           | 2.22 *           | 2.11 *           | 2.00 *           |
| <b>50</b>           | 4.31 *                   | 4.20 *           | 4.08 *           | 3.94 *           | 3.80 *           | 3.65 *           | 3.49 *           | 3.33 *           | 3.16 *           | 2.99 *           |
| <b>45</b>           | 6.70 *                   | 6.57 *           | 6.43 *           | 6.27 *           | 6.11 *           | 5.93 *           | 5.75 *           | 5.55 *           | 5.35 *           | 5.14 *           |
| <b>40</b>           | 10.02 *                  | 9.89 *           | 9.75 *           | 9.60 *           | 9.44 *           | 9.27 *           | 9.08 *           | 8.89 *           | 8.67 *           | 8.45 *           |
| <b>35</b>           | 13.33 *                  | 13.21 *          | 13.07 *          | 12.93 *          | 12.78 *          | 12.60 *          | 12.42 *          | 12.22 *          | 12.00 *          | 11.76 *          |
| <b>30</b>           | 15.51 *                  | 15.40 *          | 15.27 *          | 15.13 *          | 14.98 *          | 14.82 *          | 14.63 *          | 14.43 *          | 14.22 *          | 13.99 *          |
| <b>25</b>           | 16.58 *                  | 16.47 *          | 16.34 *          | 16.21 *          | 16.06 *          | 15.90 *          | 15.73 *          | 15.54 *          | 15.34 *          | 15.12 *          |

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LUMENS TABULATION - (Cont.)

|       |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 20    |         |         |         |         |         |         |         |         |         |         |
| 15    | 17.64 * | 17.53 * | 17.41 * | 17.28 * | 17.14 * | 16.98 * | 16.82 * | 16.64 * | 16.45 * | 16.25 * |
| 10    | 18.28 * | 18.17 * | 18.05 * | 17.92 * | 17.78 * | 17.63 * | 17.47 * | 17.30 * | 17.12 * | 16.93 * |
| 5     | 18.49 * | 18.38 * | 18.26 * | 18.13 * | 17.99 * | 17.84 * | 17.68 * | 17.51 * | 17.33 * | 17.14 * |
| 0     | 18.70 * | 18.59 * | 18.47 * | 18.34 * | 18.20 * | 18.06 * | 17.90 * | 17.72 * | 17.54 * | 17.35 * |
| -5    | 18.73 * | 18.62 * | 18.50 * | 18.37 * | 18.24 * | 18.09 * | 17.93 * | 17.76 * | 17.57 * | 17.38 * |
| -10   | 18.58 * | 18.48 * | 18.36 * | 18.23 * | 18.09 * | 17.94 * | 17.78 * | 17.61 * | 17.42 * | 17.23 * |
| -15   | 18.44 * | 18.33 * | 18.21 * | 18.08 * | 17.94 * | 17.79 * | 17.63 * | 17.46 * | 17.27 * | 17.08 * |
| -20   | 17.94 * | 17.83 * | 17.71 * | 17.58 * | 17.44 * | 17.28 * | 17.12 * | 16.94 * | 16.75 * | 16.55 * |
| -25   | 17.10 * | 16.99 * | 16.87 * | 16.73 * | 16.58 * | 16.42 * | 16.25 * | 16.06 * | 15.86 * | 15.64 * |
| -30   | 16.26 * | 16.15 * | 16.02 * | 15.88 * | 15.73 * | 15.56 * | 15.38 * | 15.18 * | 14.96 * | 14.73 * |
| -35   | 14.25 * | 14.13 * | 13.99 * | 13.85 * | 13.69 * | 13.51 * | 13.32 * | 13.11 * | 12.88 * | 12.64 * |
| -40   | 11.07 * | 10.94 * | 10.79 * | 10.63 * | 10.46 * | 10.27 * | 10.07 * | 9.85 *  | 9.62 *  | 9.38 *  |
| -45   | 7.89 *  | 7.75 *  | 7.59 *  | 7.41 *  | 7.22 *  | 7.03 *  | 6.82 *  | 6.59 *  | 6.36 *  | 6.11 *  |
| -50   | 5.37 *  | 5.24 *  | 5.10 *  | 4.95 *  | 4.78 *  | 4.61 *  | 4.43 *  | 4.24 *  | 4.04 *  | 3.83 *  |
| -55   | 3.50 *  | 3.42 *  | 3.33 *  | 3.23 *  | 3.12 *  | 3.01 *  | 2.90 *  | 2.78 *  | 2.65 *  | 2.52 *  |
| -60   | 1.63    | 1.59    | 1.55    | 1.51    | 1.47    | 1.42    | 1.37    | 1.32    | 1.27    | 1.22    |
| -65   | 0.59    | 0.58    | 0.57    | 0.56    | 0.55    | 0.53    | 0.52    | 0.51    | 0.50    | 0.48    |
| -70   | 0.39    | 0.38    | 0.37    | 0.37    | 0.36    | 0.35    | 0.34    | 0.34    | 0.33    | 0.32    |
| -75   | 0.19    | 0.18    | 0.18    | 0.18    | 0.17    | 0.17    | 0.17    | 0.16    | 0.16    | 0.16    |
| -80   | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    | 0.07    | 0.06    |
| -85   | 0.05    | 0.05    | 0.05    | 0.05    | 0.05    | 0.05    | 0.05    | 0.04    | 0.04    | 0.04    |
| -90   | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    |
| Total | 297.07  | 294.47  | 291.60  | 288.48  | 285.11  | 281.50  | 277.67  | 273.56  | 269.15  | 264.55  |

| Vert. Angles | Horizontal Angles |           |           |           |           |           |           |           |           |           |
|--------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|              | <u>20</u>         | <u>21</u> | <u>22</u> | <u>23</u> | <u>24</u> | <u>25</u> | <u>26</u> | <u>27</u> | <u>28</u> | <u>29</u> |
| 90           | 0.01              | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      |
| 85           | 0.04              | 0.04      | 0.04      | 0.04      | 0.04      | 0.03      | 0.03      | 0.03      | 0.03      | 0.03      |
| 80           | 0.06              | 0.06      | 0.06      | 0.06      | 0.06      | 0.06      | 0.06      | 0.05      | 0.05      | 0.05      |



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES**

**LUMENS TABULATION - (Cont.)**

|            |         |         |         |         |         |         |         |         |         |         |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| <b>75</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 0.15    | 0.14    | 0.14    | 0.14    | 0.13    | 0.13    | 0.13    | 0.12    | 0.12    | 0.12    |
| <b>70</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 0.29    | 0.28    | 0.28    | 0.27    | 0.26    | 0.25    | 0.25    | 0.24    | 0.23    | 0.23    |
| <b>65</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 0.43    | 0.42    | 0.41    | 0.40    | 0.39    | 0.38    | 0.37    | 0.36    | 0.35    | 0.34    |
| <b>60</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 0.97    | 0.93    | 0.88    | 0.84    | 0.80    | 0.76    | 0.72    | 0.68    | 0.65    | 0.61    |
| <b>55</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 1.90 *  | 1.79 *  | 1.69    | 1.58    | 1.49    | 1.39    | 1.30    | 1.21    | 1.13    | 1.05    |
| <b>50</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 2.82 *  | 2.66 *  | 2.49 *  | 2.33 *  | 2.17 *  | 2.02 *  | 1.88 *  | 1.74 *  | 1.61    | 1.49    |
| <b>45</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 4.93 *  | 4.72 *  | 4.51 *  | 4.29 *  | 4.07 *  | 3.86 *  | 3.64 *  | 3.43 *  | 3.22 *  | 3.01 *  |
| <b>40</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 8.22 *  | 7.98 *  | 7.73 *  | 7.46 *  | 7.19 *  | 6.90 *  | 6.60 *  | 6.28 *  | 5.95 *  | 5.61 *  |
| <b>35</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 11.51 * | 11.24 * | 10.95 * | 10.63 * | 10.30 * | 9.94 *  | 9.55 *  | 9.13 *  | 8.68 *  | 8.21 *  |
| <b>30</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 13.73 * | 13.46 * | 13.16 * | 12.84 * | 12.50 * | 12.12 * | 11.71 * | 11.27 * | 10.79 * | 10.29 * |
| <b>25</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 14.89 * | 14.64 * | 14.37 * | 14.08 * | 13.77 * | 13.44 * | 13.08 * | 12.69 * | 12.28 * | 11.84 * |
| <b>20</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 16.04 * | 15.82 * | 15.58 * | 15.32 * | 15.05 * | 14.76 * | 14.46 * | 14.12 * | 13.76 * | 13.38 * |
| <b>15</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 16.73 * | 16.51 * | 16.29 * | 16.05 * | 15.80 * | 15.54 * | 15.26 * | 14.96 * | 14.64 * | 14.30 * |
| <b>10</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 16.94 * | 16.73 * | 16.51 * | 16.27 * | 16.03 * | 15.77 * | 15.50 * | 15.21 * | 14.90 * | 14.57 * |
| <b>5</b>   |         |         |         |         |         |         |         |         |         |         |
|            | 17.15 * | 16.95 * | 16.72 * | 16.49 * | 16.25 * | 16.00 * | 15.74 * | 15.46 * | 15.17 * | 14.85 * |
| <b>0</b>   |         |         |         |         |         |         |         |         |         |         |
|            | 17.18 * | 16.98 * | 16.76 * | 16.53 * | 16.29 * | 16.04 * | 15.77 * | 15.49 * | 15.20 * | 14.89 * |
| <b>-5</b>  |         |         |         |         |         |         |         |         |         |         |
|            | 17.03 * | 16.82 * | 16.60 * | 16.36 * | 16.12 * | 15.87 * | 15.60 * | 15.31 * | 15.01 * | 14.68 * |
| <b>-10</b> |         |         |         |         |         |         |         |         |         |         |
|            | 16.88 * | 16.66 * | 16.44 * | 16.20 * | 15.96 * | 15.69 * | 15.42 * | 15.13 * | 14.82 * | 14.48 * |
| <b>-15</b> |         |         |         |         |         |         |         |         |         |         |
|            | 16.33 * | 16.11 * | 15.87 * | 15.62 * | 15.35 * | 15.06 * | 14.76 * | 14.43 * | 14.09 * | 13.71 * |
| <b>-20</b> |         |         |         |         |         |         |         |         |         |         |
|            | 15.41 * | 15.16 * | 14.89 * | 14.60 * | 14.29 * | 13.97 * | 13.61 * | 13.23 * | 12.81 * | 12.37 * |
| <b>-25</b> |         |         |         |         |         |         |         |         |         |         |
|            | 14.48 * | 14.20 * | 13.90 * | 13.58 * | 13.24 * | 12.87 * | 12.46 * | 12.02 * | 11.54 * | 11.04 * |
| <b>-30</b> |         |         |         |         |         |         |         |         |         |         |
|            | 12.38 * | 12.10 * | 11.80 * | 11.48 * | 11.14 * | 10.77 * | 10.37 * | 9.94 *  | 9.48 *  | 9.00 *  |
| <b>-35</b> |         |         |         |         |         |         |         |         |         |         |
|            | 9.12 *  | 8.86 *  | 8.58 *  | 8.29 *  | 7.99 *  | 7.67 *  | 7.33 *  | 6.99 *  | 6.63 *  | 6.26 *  |
| <b>-40</b> |         |         |         |         |         |         |         |         |         |         |
|            | 5.87 *  | 5.62 *  | 5.36 *  | 5.09 *  | 4.83 *  | 4.57 *  | 4.30 *  | 4.04 *  | 3.78 *  | 3.52 *  |
| <b>-45</b> |         |         |         |         |         |         |         |         |         |         |
|            | 3.62 *  | 3.42 *  | 3.21 *  | 3.00 *  | 2.80 *  | 2.60 *  | 2.40 *  | 2.21 *  | 2.03 *  | 1.87 *  |
| <b>-50</b> |         |         |         |         |         |         |         |         |         |         |
|            | 2.40 *  | 2.27 *  | 2.13 *  | 2.00 *  | 1.87 *  | 1.75 *  | 1.63 *  | 1.51    | 1.39    | 1.29    |
| <b>-55</b> |         |         |         |         |         |         |         |         |         |         |
|            | 1.17    | 1.11    | 1.06    | 1.01    | 0.95    | 0.90    | 0.85    | 0.80    | 0.76    | 0.71    |
| <b>-60</b> |         |         |         |         |         |         |         |         |         |         |
|            | 0.47    | 0.46    | 0.45    | 0.43    | 0.42    | 0.41    | 0.40    | 0.39    | 0.38    | 0.37    |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES

LUMENS TABULATION - (Cont.)

|              |        |        |        |        |        |        |        |        |        |        |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -65          | 0.31   | 0.30   | 0.30   | 0.29   | 0.28   | 0.27   | 0.27   | 0.26   | 0.25   | 0.24   |
| -70          | 0.15   | 0.15   | 0.15   | 0.14   | 0.14   | 0.13   | 0.13   | 0.13   | 0.12   | 0.12   |
| -75          | 0.06   | 0.06   | 0.06   | 0.06   | 0.06   | 0.06   | 0.06   | 0.05   | 0.05   | 0.05   |
| -80          | 0.04   | 0.04   | 0.04   | 0.04   | 0.04   | 0.04   | 0.04   | 0.04   | 0.04   | 0.03   |
| -85          | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   |
| -90          | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   |
| <b>Total</b> | 259.77 | 254.74 | 249.42 | 243.86 | 238.10 | 232.08 | 225.68 | 218.97 | 211.97 | 204.64 |

| Vert.<br>Angles | Horizontal Angles |           |           |           |           |           |           |           |           |           |
|-----------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                 | <u>30</u>         | <u>31</u> | <u>32</u> | <u>33</u> | <u>34</u> | <u>35</u> | <u>36</u> | <u>37</u> | <u>38</u> | <u>39</u> |
| 90              | 0.01              | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      |
| 85              | 0.03              | 0.03      | 0.03      | 0.03      | 0.03      | 0.03      | 0.02      | 0.02      | 0.02      | 0.02      |
| 80              | 0.05              | 0.05      | 0.05      | 0.04      | 0.04      | 0.04      | 0.04      | 0.04      | 0.04      | 0.03      |
| 75              | 0.11              | 0.11      | 0.10      | 0.10      | 0.10      | 0.09      | 0.09      | 0.09      | 0.08      | 0.08      |
| 70              | 0.22              | 0.21      | 0.21      | 0.20      | 0.19      | 0.19      | 0.18      | 0.17      | 0.17      | 0.16      |
| 65              | 0.33              | 0.32      | 0.31      | 0.30      | 0.29      | 0.28      | 0.27      | 0.26      | 0.25      | 0.24      |
| 60              | 0.58              | 0.55      | 0.52      | 0.49      | 0.47      | 0.44      | 0.42      | 0.40      | 0.38      | 0.36      |
| 55              | 0.98              | 0.91      | 0.85      | 0.79      | 0.73      | 0.69      | 0.64      | 0.61      | 0.57      | 0.54      |
| 50              | 1.37              | 1.27      | 1.17      | 1.08      | 1.00      | 0.93      | 0.87      | 0.81      | 0.76      | 0.71      |
| 45              | 2.80 *            | 2.60 *    | 2.40 *    | 2.20 *    | 2.02 *    | 1.84 *    | 1.68 *    | 1.53 *    | 1.38      | 1.25      |
| 40              | 5.26 *            | 4.89 *    | 4.52 *    | 4.15 *    | 3.78 *    | 3.42 *    | 3.08 *    | 2.75 *    | 2.45 *    | 2.17 *    |
| 35              | 7.71 *            | 7.19 *    | 6.65 *    | 6.10 *    | 5.55 *    | 5.01 *    | 4.48 *    | 3.98 *    | 3.52 *    | 3.09 *    |
| 30              | 9.75 *            | 9.17 *    | 8.57 *    | 7.96 *    | 7.33 *    | 6.71 *    | 6.09 *    | 5.49 *    | 4.90 *    | 4.35 *    |
| 25              | 11.36 *           | 10.85 *   | 10.30 *   | 9.73 *    | 9.14 *    | 8.53 *    | 7.91 *    | 7.26 *    | 6.61 *    | 5.96 *    |
| 20              | 12.97 *           | 12.52 *   | 12.03 *   | 11.50 *   | 10.95 *   | 10.36 *   | 9.73 *    | 9.04 *    | 8.31 *    | 7.58 *    |
| 15              | 13.92 *           | 13.52 *   | 13.07 *   | 12.58 *   | 12.05 *   | 11.49 *   | 10.87 *   | 10.18 *   | 9.44 *    | 8.67 *    |
| 10              | 14.22 *           | 13.83 *   | 13.41 *   | 12.95 *   | 12.46 *   | 11.92 *   | 11.33 *   | 10.68 *   | 9.98 *    | 9.24 *    |
| 5               | 14.52 *           | 14.15 *   | 13.76 *   | 13.33 *   | 12.86 *   | 12.35 *   | 11.80 *   | 11.19 *   | 10.53 *   | 9.82 *    |
| 0               | 14.55 *           | 14.19 *   | 13.80 *   | 13.37 *   | 12.91 *   | 12.40 *   | 11.85 *   | 11.24 *   | 10.58 *   | 9.87 *    |
| -5              | 14.33 *           | 13.95 *   | 13.54 *   | 13.09 *   | 12.60 *   | 12.06 *   | 11.48 *   | 10.84 *   | 10.14 *   | 9.40 *    |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES**

**LUMENS TABULATION - (Cont.)**

|              |         |         |         |         |         |         |         |         |        |        |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| <b>-10</b>   | 14.11 * | 13.72 * | 13.28 * | 12.80 * | 12.28 * | 11.72 * | 11.11 * | 10.43 * | 9.70 * | 8.93 * |
| <b>-15</b>   | 13.30 * | 12.86 * | 12.38 * | 11.86 * | 11.30 * | 10.71 * | 10.08 * | 9.39 *  | 8.67 * | 7.92 * |
| <b>-20</b>   | 11.89 * | 11.38 * | 10.84 * | 10.26 * | 9.65 *  | 9.03 *  | 8.38 *  | 7.71 *  | 7.04 * | 6.37 * |
| <b>-25</b>   | 10.49 * | 9.90 *  | 9.29 *  | 8.65 *  | 8.00 *  | 7.34 *  | 6.69 *  | 6.04 *  | 5.41 * | 4.81 * |
| <b>-30</b>   | 8.48 *  | 7.94 *  | 7.38 *  | 6.79 *  | 6.21 *  | 5.63 *  | 5.06 *  | 4.51 *  | 3.99 * | 3.51 * |
| <b>-35</b>   | 5.88 *  | 5.49 *  | 5.08 *  | 4.68 *  | 4.27 *  | 3.88 *  | 3.50 *  | 3.13 *  | 2.79 * | 2.47 * |
| <b>-40</b>   | 3.28 *  | 3.03 *  | 2.79 *  | 2.56 *  | 2.34 *  | 2.13 *  | 1.93 *  | 1.75 *  | 1.58 * | 1.42 * |
| <b>-45</b>   | 1.71 *  | 1.57 *  | 1.44    | 1.32    | 1.20    | 1.10    | 1.02    | 0.94    | 0.87   | 0.80   |
| <b>-50</b>   | 1.19    | 1.10    | 1.02    | 0.94    | 0.87    | 0.80    | 0.74    | 0.69    | 0.64   | 0.60   |
| <b>-55</b>   | 0.67    | 0.63    | 0.60    | 0.56    | 0.53    | 0.50    | 0.47    | 0.45    | 0.42   | 0.40   |
| <b>-60</b>   | 0.35    | 0.34    | 0.33    | 0.32    | 0.31    | 0.30    | 0.29    | 0.28    | 0.27   | 0.25   |
| <b>-65</b>   | 0.24    | 0.23    | 0.22    | 0.21    | 0.20    | 0.20    | 0.19    | 0.18    | 0.18   | 0.17   |
| <b>-70</b>   | 0.12    | 0.11    | 0.11    | 0.10    | 0.10    | 0.10    | 0.09    | 0.09    | 0.09   | 0.08   |
| <b>-75</b>   | 0.05    | 0.05    | 0.05    | 0.04    | 0.04    | 0.04    | 0.04    | 0.04    | 0.04   | 0.03   |
| <b>-80</b>   | 0.03    | 0.03    | 0.03    | 0.03    | 0.03    | 0.03    | 0.03    | 0.03    | 0.03   | 0.02   |
| <b>-85</b>   | 0.02    | 0.02    | 0.02    | 0.02    | 0.02    | 0.01    | 0.01    | 0.01    | 0.01   | 0.01   |
| <b>-90</b>   |         |         |         |         |         |         |         |         |        |        |
| <b>Total</b> | 196.90  | 188.73  | 180.14  | 171.16  | 161.86  | 152.30  | 142.46  | 132.25  | 121.84 | 111.36 |

| <b>Vert.<br/>Angles</b> | <b>Horizontal Angles</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-------------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                         | <u><b>40</b></u>         | <u><b>41</b></u> | <u><b>42</b></u> | <u><b>43</b></u> | <u><b>44</b></u> | <u><b>45</b></u> | <u><b>46</b></u> | <u><b>47</b></u> | <u><b>48</b></u> | <u><b>49</b></u> |
| <b>90</b>               | 0.01                     | 0.01             | 0.01             | 0.01             | 0.01             | 0.01             | 0.01             | 0.01             | 0.01             | 0.01             |
| <b>85</b>               | 0.02                     | 0.02             | 0.02             | 0.02             | 0.02             | 0.02             | 0.02             | 0.01             | 0.01             | 0.01             |
| <b>80</b>               | 0.03                     | 0.03             | 0.03             | 0.03             | 0.03             | 0.03             | 0.02             | 0.02             | 0.02             | 0.02             |
| <b>75</b>               | 0.08                     | 0.07             | 0.07             | 0.07             | 0.06             | 0.06             | 0.06             | 0.05             | 0.05             | 0.05             |
| <b>70</b>               | 0.15                     | 0.15             | 0.14             | 0.13             | 0.13             | 0.12             | 0.12             | 0.11             | 0.10             | 0.10             |
| <b>65</b>               | 0.23                     | 0.22             | 0.21             | 0.20             | 0.19             | 0.18             | 0.17             | 0.16             | 0.15             | 0.14             |
| <b>60</b>               | 0.35                     | 0.33             | 0.31             | 0.30             | 0.28             | 0.27             | 0.25             | 0.24             | 0.23             | 0.21             |
| <b>55</b>               | 0.50                     | 0.48             | 0.45             | 0.42             | 0.40             | 0.38             | 0.36             | 0.34             | 0.32             | 0.30             |
| <b>50</b>               | 0.66                     | 0.62             | 0.58             | 0.55             | 0.52             | 0.49             | 0.46             | 0.44             | 0.41             | 0.39             |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES**

**LUMENS TABULATION - (Cont.)**

|              |        |        |        |        |        |        |        |        |        |        |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>45</b>    | 1.13   | 1.02   | 0.92   | 0.84   | 0.76   | 0.69   | 0.63   | 0.58   | 0.54   | 0.49   |
| <b>40</b>    | 1.91 * | 1.68 * | 1.47 * | 1.29   | 1.13   | 0.99   | 0.88   | 0.78   | 0.70   | 0.63   |
| <b>35</b>    | 2.69 * | 2.33 * | 2.01 * | 1.74 * | 1.50 * | 1.29 * | 1.12   | 0.98   | 0.86   | 0.76   |
| <b>30</b>    | 3.83 * | 3.34 * | 2.89 * | 2.50 * | 2.15 * | 1.84 * | 1.56 * | 1.34 * | 1.15   | 0.99   |
| <b>25</b>    | 5.33 * | 4.71 * | 4.11 * | 3.56 * | 3.07 * | 2.62 * | 2.21 * | 1.87 * | 1.58 * | 1.32 * |
| <b>20</b>    | 6.83 * | 6.08 * | 5.33 * | 4.62 * | 3.99 * | 3.40 * | 2.86 * | 2.39 * | 2.00 * | 1.65 * |
| <b>15</b>    | 7.88 * | 7.06 * | 6.23 * | 5.43 * | 4.70 * | 4.02 * | 3.38 * | 2.83 * | 2.36 * | 1.94 * |
| <b>10</b>    | 8.46 * | 7.65 * | 6.81 * | 5.99 * | 5.21 * | 4.48 * | 3.79 * | 3.18 * | 2.66 * | 2.18 * |
| <b>5</b>     | 9.05 * | 8.24 * | 7.39 * | 6.55 * | 5.72 * | 4.93 * | 4.19 * | 3.53 * | 2.95 * | 2.42 * |
| <b>0</b>     | 9.10 * | 8.28 * | 7.44 * | 6.60 * | 5.76 * | 4.96 * | 4.22 * | 3.55 * | 2.97 * | 2.44 * |
| <b>-5</b>    | 8.61 * | 7.79 * | 6.96 * | 6.14 * | 5.33 * | 4.58 * | 3.88 * | 3.26 * | 2.72 * | 2.23 * |
| <b>-10</b>   | 8.13 * | 7.30 * | 6.48 * | 5.67 * | 4.90 * | 4.19 * | 3.55 * | 2.97 * | 2.47 * | 2.02 * |
| <b>-15</b>   | 7.16 * | 6.39 * | 5.64 * | 4.91 * | 4.22 * | 3.60 * | 3.04 * | 2.55 * | 2.12 * | 1.75 * |
| <b>-20</b>   | 5.70 * | 5.05 * | 4.43 * | 3.84 * | 3.30 * | 2.81 * | 2.38 * | 2.00 * | 1.68 * | 1.40 * |
| <b>-25</b>   | 4.25 * | 3.72 * | 3.22 * | 2.76 * | 2.37 * | 2.02 * | 1.71 * | 1.45 * | 1.24 * | 1.06   |
| <b>-30</b>   | 3.07 * | 2.67 * | 2.30 * | 1.97 * | 1.69 * | 1.45 * | 1.24 * | 1.07   | 0.93   | 0.82   |
| <b>-35</b>   | 2.18 * | 1.91 * | 1.67 * | 1.45 * | 1.27 * | 1.10   | 0.96   | 0.85   | 0.75   | 0.67   |
| <b>-40</b>   | 1.28   | 1.15   | 1.03   | 0.93   | 0.84   | 0.76   | 0.69   | 0.63   | 0.57   | 0.52   |
| <b>-45</b>   | 0.74   | 0.69   | 0.64   | 0.60   | 0.56   | 0.52   | 0.49   | 0.46   | 0.43   | 0.41   |
| <b>-50</b>   | 0.56   | 0.52   | 0.49   | 0.46   | 0.43   | 0.40   | 0.38   | 0.36   | 0.34   | 0.31   |
| <b>-55</b>   | 0.38   | 0.36   | 0.34   | 0.32   | 0.30   | 0.28   | 0.27   | 0.25   | 0.24   | 0.22   |
| <b>-60</b>   | 0.24   | 0.23   | 0.22   | 0.21   | 0.20   | 0.19   | 0.18   | 0.17   | 0.16   | 0.15   |
| <b>-65</b>   | 0.16   | 0.15   | 0.15   | 0.14   | 0.13   | 0.13   | 0.12   | 0.11   | 0.11   | 0.10   |
| <b>-70</b>   | 0.08   | 0.08   | 0.07   | 0.07   | 0.07   | 0.06   | 0.06   | 0.06   | 0.05   | 0.05   |
| <b>-75</b>   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   | 0.03   | 0.02   | 0.02   | 0.02   | 0.02   |
| <b>-80</b>   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   | 0.02   |
| <b>-85</b>   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   |
| <b>-90</b>   |        |        |        |        |        |        |        |        |        |        |
| <b>Total</b> | 100.88 | 90.43  | 80.14  | 70.35  | 61.30  | 52.94  | 45.31  | 38.65  | 32.93  | 27.79  |

IES FLOOD REPORT  
 PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES

LUMENS TABULATION - (Cont.)

| Vert.<br>Angles | Horizontal Angles |           |           |           |           |           |           |           |           |      |
|-----------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| <u>50</u>       | <u>51</u>         | <u>52</u> | <u>53</u> | <u>54</u> | <u>55</u> | <u>56</u> | <u>57</u> | <u>58</u> | <u>59</u> |      |
| 90              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.01              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00 |
| 85              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.01              | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01 |
| 80              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.02              | 0.02      | 0.02      | 0.02      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01 |
| 75              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.04              | 0.04      | 0.04      | 0.04      | 0.03      | 0.03      | 0.03      | 0.03      | 0.02      | 0.02 |
| 70              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.09              | 0.09      | 0.08      | 0.07      | 0.07      | 0.06      | 0.06      | 0.05      | 0.05      | 0.04 |
| 65              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.14              | 0.13      | 0.12      | 0.11      | 0.10      | 0.09      | 0.09      | 0.08      | 0.07      | 0.06 |
| 60              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.20              | 0.19      | 0.17      | 0.16      | 0.15      | 0.14      | 0.13      | 0.12      | 0.11      | 0.10 |
| 55              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.28              | 0.26      | 0.24      | 0.23      | 0.21      | 0.20      | 0.18      | 0.17      | 0.15      | 0.14 |
| 50              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.36              | 0.34      | 0.32      | 0.29      | 0.28      | 0.26      | 0.24      | 0.22      | 0.20      | 0.18 |
| 45              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.46              | 0.42      | 0.39      | 0.36      | 0.34      | 0.31      | 0.29      | 0.26      | 0.24      | 0.22 |
| 40              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.56              | 0.51      | 0.47      | 0.43      | 0.40      | 0.37      | 0.34      | 0.31      | 0.28      | 0.26 |
| 35              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.67              | 0.61      | 0.55      | 0.50      | 0.46      | 0.42      | 0.38      | 0.35      | 0.32      | 0.30 |
| 30              |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.85              | 0.75      | 0.66      | 0.59      | 0.53      | 0.48      | 0.44      | 0.40      | 0.36      | 0.33 |
| 25              |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.10              | 0.94      | 0.81      | 0.70      | 0.62      | 0.55      | 0.49      | 0.44      | 0.40      | 0.36 |
| 20              |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.36 *            | 1.13 *    | 0.95      | 0.81      | 0.70      | 0.61      | 0.54      | 0.49      | 0.43      | 0.39 |
| 15              |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.58 *            | 1.30 *    | 1.08 *    | 0.91      | 0.77      | 0.67      | 0.59      | 0.52      | 0.46      | 0.41 |
| 10              |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.77 *            | 1.45 *    | 1.20 *    | 1.00      | 0.84      | 0.72      | 0.63      | 0.55      | 0.49      | 0.43 |
| 5               |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.96 *            | 1.60 *    | 1.31 *    | 1.08 *    | 0.90      | 0.77      | 0.66      | 0.58      | 0.51      | 0.45 |
| 0               |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.97 *            | 1.61 *    | 1.32 *    | 1.09 *    | 0.91      | 0.77      | 0.67      | 0.58      | 0.51      | 0.45 |
| -5              |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.81 *            | 1.48 *    | 1.23 *    | 1.02 *    | 0.85      | 0.73      | 0.63      | 0.56      | 0.49      | 0.44 |
| -10             |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.65 *            | 1.36 *    | 1.13 *    | 0.95      | 0.80      | 0.69      | 0.60      | 0.53      | 0.47      | 0.42 |
| -15             |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.44 *            | 1.20 *    | 1.01      | 0.85      | 0.73      | 0.63      | 0.56      | 0.50      | 0.45      | 0.40 |
| -20             |                   |           |           |           |           |           |           |           |           |      |
|                 | 1.17 *            | 0.99      | 0.85      | 0.73      | 0.64      | 0.56      | 0.50      | 0.45      | 0.41      | 0.37 |
| -25             |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.91              | 0.79      | 0.70      | 0.62      | 0.55      | 0.49      | 0.45      | 0.40      | 0.37      | 0.34 |
| -30             |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.72              | 0.64      | 0.58      | 0.52      | 0.48      | 0.43      | 0.39      | 0.36      | 0.33      | 0.30 |
| -35             |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.60              | 0.54      | 0.49      | 0.45      | 0.41      | 0.38      | 0.35      | 0.32      | 0.29      | 0.26 |
| -40             |                   |           |           |           |           |           |           |           |           |      |
|                 | 0.48              | 0.44      | 0.41      | 0.38      | 0.35      | 0.32      | 0.30      | 0.27      | 0.25      | 0.23 |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES**

**LUMENS TABULATION - (Cont.)**

|              |       |       |       |       |       |       |       |      |      |      |
|--------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| <b>-45</b>   | 0.38  | 0.35  | 0.33  | 0.31  | 0.28  | 0.26  | 0.24  | 0.22 | 0.20 | 0.19 |
| <b>-50</b>   | 0.29  | 0.27  | 0.26  | 0.24  | 0.22  | 0.20  | 0.19  | 0.17 | 0.16 | 0.14 |
| <b>-55</b>   | 0.21  | 0.20  | 0.18  | 0.17  | 0.16  | 0.14  | 0.13  | 0.12 | 0.11 | 0.10 |
| <b>-60</b>   | 0.14  | 0.13  | 0.12  | 0.12  | 0.11  | 0.10  | 0.09  | 0.08 | 0.07 | 0.07 |
| <b>-65</b>   | 0.09  | 0.09  | 0.08  | 0.08  | 0.07  | 0.07  | 0.06  | 0.05 | 0.05 | 0.05 |
| <b>-70</b>   | 0.05  | 0.04  | 0.04  | 0.04  | 0.04  | 0.03  | 0.03  | 0.03 | 0.03 | 0.02 |
| <b>-75</b>   | 0.02  | 0.02  | 0.02  | 0.02  | 0.02  | 0.01  | 0.01  | 0.01 | 0.01 | 0.01 |
| <b>-80</b>   | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01 | 0.01 | 0.01 |
| <b>-85</b>   | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01 | 0.01 | 0.01 |
| <b>-90</b>   | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01 | 0.01 | 0.01 |
| <b>Total</b> | 23.41 | 19.97 | 17.20 | 14.93 | 13.06 | 11.56 | 10.33 | 9.26 | 8.32 | 7.51 |

| <b>Vert.<br/>Angles</b> | <b>Horizontal Angles</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-------------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                         | <b><u>60</u></b>         | <b><u>61</u></b> | <b><u>62</u></b> | <b><u>63</u></b> | <b><u>64</u></b> | <b><u>65</u></b> | <b><u>66</u></b> | <b><u>67</u></b> | <b><u>68</u></b> | <b><u>69</u></b> |
| <b>90</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>85</b>               | 0.01                     | 0.01             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>80</b>               | 0.01                     | 0.01             | 0.01             | 0.01             | 0.01             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>75</b>               | 0.02                     | 0.02             | 0.02             | 0.01             | 0.01             | 0.01             | 0.01             | 0.01             | 0.01             | 0.01             |
| <b>70</b>               | 0.04                     | 0.03             | 0.03             | 0.03             | 0.02             | 0.02             | 0.02             | 0.01             | 0.01             | 0.01             |
| <b>65</b>               | 0.06                     | 0.05             | 0.05             | 0.04             | 0.03             | 0.03             | 0.03             | 0.02             | 0.02             | 0.02             |
| <b>60</b>               | 0.09                     | 0.08             | 0.07             | 0.06             | 0.05             | 0.05             | 0.04             | 0.03             | 0.03             | 0.02             |
| <b>55</b>               | 0.13                     | 0.11             | 0.10             | 0.09             | 0.08             | 0.07             | 0.06             | 0.05             | 0.04             | 0.04             |
| <b>50</b>               | 0.17                     | 0.15             | 0.13             | 0.12             | 0.11             | 0.09             | 0.08             | 0.07             | 0.06             | 0.05             |
| <b>45</b>               | 0.20                     | 0.18             | 0.17             | 0.15             | 0.13             | 0.12             | 0.10             | 0.09             | 0.07             | 0.06             |
| <b>40</b>               | 0.24                     | 0.22             | 0.19             | 0.17             | 0.16             | 0.14             | 0.12             | 0.11             | 0.09             | 0.08             |
| <b>35</b>               | 0.27                     | 0.25             | 0.22             | 0.20             | 0.18             | 0.16             | 0.14             | 0.12             | 0.11             | 0.09             |
| <b>30</b>               | 0.30                     | 0.28             | 0.25             | 0.22             | 0.20             | 0.18             | 0.16             | 0.14             | 0.12             | 0.10             |
| <b>25</b>               | 0.33                     | 0.30             | 0.27             | 0.25             | 0.22             | 0.20             | 0.18             | 0.15             | 0.13             | 0.12             |
| <b>20</b>               | 0.35                     | 0.32             | 0.29             | 0.27             | 0.24             | 0.21             | 0.19             | 0.17             | 0.15             | 0.13             |
| <b>15</b>               | 0.37                     | 0.34             | 0.31             | 0.28             | 0.25             | 0.22             | 0.20             | 0.18             | 0.16             | 0.13             |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES**

**LUMENS TABULATION - (Cont.)**

|              |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|
| <b>10</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.39 | 0.35 | 0.32 | 0.29 | 0.26 | 0.23 | 0.21 | 0.18 | 0.16 | 0.14 |
| <b>5</b>     |      |      |      |      |      |      |      |      |      |      |
|              | 0.40 | 0.36 | 0.33 | 0.30 | 0.27 | 0.24 | 0.21 | 0.19 | 0.17 | 0.14 |
| <b>0</b>     |      |      |      |      |      |      |      |      |      |      |
|              | 0.40 | 0.36 | 0.33 | 0.30 | 0.27 | 0.24 | 0.21 | 0.19 | 0.17 | 0.14 |
| <b>-5</b>    |      |      |      |      |      |      |      |      |      |      |
|              | 0.39 | 0.35 | 0.32 | 0.29 | 0.26 | 0.23 | 0.21 | 0.18 | 0.16 | 0.14 |
| <b>-10</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.38 | 0.34 | 0.31 | 0.28 | 0.25 | 0.23 | 0.20 | 0.18 | 0.16 | 0.14 |
| <b>-15</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.36 | 0.33 | 0.30 | 0.27 | 0.24 | 0.22 | 0.19 | 0.17 | 0.15 | 0.13 |
| <b>-20</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.33 | 0.30 | 0.28 | 0.25 | 0.22 | 0.20 | 0.18 | 0.16 | 0.14 | 0.12 |
| <b>-25</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.31 | 0.28 | 0.25 | 0.23 | 0.20 | 0.18 | 0.16 | 0.14 | 0.12 | 0.11 |
| <b>-30</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.28 | 0.25 | 0.23 | 0.20 | 0.18 | 0.16 | 0.15 | 0.13 | 0.11 | 0.09 |
| <b>-35</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.24 | 0.22 | 0.20 | 0.18 | 0.16 | 0.14 | 0.12 | 0.11 | 0.09 | 0.08 |
| <b>-40</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.21 | 0.19 | 0.17 | 0.15 | 0.13 | 0.12 | 0.10 | 0.09 | 0.08 | 0.06 |
| <b>-45</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.17 | 0.15 | 0.14 | 0.12 | 0.11 | 0.10 | 0.08 | 0.07 | 0.06 | 0.05 |
| <b>-50</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.13 | 0.12 | 0.10 | 0.09 | 0.08 | 0.07 | 0.06 | 0.05 | 0.04 | 0.04 |
| <b>-55</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.09 | 0.08 | 0.07 | 0.06 | 0.05 | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 |
| <b>-60</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.06 | 0.05 | 0.05 | 0.04 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 |
| <b>-65</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.04 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 |
| <b>-70</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| <b>-75</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 |
| <b>-80</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>-85</b>   |      |      |      |      |      |      |      |      |      |      |
|              | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-90</b>   |      |      |      |      |      |      |      |      |      |      |
| <b>Total</b> | 6.81 | 6.18 | 5.58 | 5.02 | 4.50 | 4.00 | 3.54 | 3.11 | 2.70 | 2.31 |

| Vert.<br>Angles | Horizontal Angles |           |           |           |           |           |           |           |           |           |
|-----------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                 | <u>70</u>         | <u>71</u> | <u>72</u> | <u>73</u> | <u>74</u> | <u>75</u> | <u>76</u> | <u>77</u> | <u>78</u> | <u>79</u> |
| <b>90</b>       |                   |           |           |           |           |           |           |           |           |           |
|                 | 0.00              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| <b>85</b>       |                   |           |           |           |           |           |           |           |           |           |
|                 | 0.00              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| <b>80</b>       |                   |           |           |           |           |           |           |           |           |           |
|                 | 0.00              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| <b>75</b>       |                   |           |           |           |           |           |           |           |           |           |
|                 | 0.01              | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| <b>70</b>       |                   |           |           |           |           |           |           |           |           |           |
|                 | 0.01              | 0.01      | 0.01      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |

**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES**

**LUMENS TABULATION - (Cont.)**

|            |      |      |      |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|------|------|------|
| <b>65</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>60</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>55</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.03 | 0.02 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>50</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 |
| <b>45</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.00 |
| <b>40</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.06 | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| <b>35</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| <b>30</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.09 | 0.07 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| <b>25</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| <b>20</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.11 | 0.09 | 0.07 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 |
| <b>15</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.12 | 0.10 | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 |
| <b>10</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.12 | 0.10 | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 |
| <b>5</b>   |      |      |      |      |      |      |      |      |      |      |
|            | 0.12 | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 |
| <b>0</b>   |      |      |      |      |      |      |      |      |      |      |
|            | 0.12 | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 |
| <b>-5</b>  |      |      |      |      |      |      |      |      |      |      |
|            | 0.12 | 0.10 | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 |
| <b>-10</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.12 | 0.10 | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 |
| <b>-15</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.11 | 0.09 | 0.07 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 |
| <b>-20</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| <b>-25</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.09 | 0.07 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| <b>-30</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.08 | 0.06 | 0.05 | 0.04 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| <b>-35</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.06 | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 |
| <b>-40</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.05 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.00 |
| <b>-45</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 |
| <b>-50</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.03 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 |
| <b>-55</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| <b>-60</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-65</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-70</b> |      |      |      |      |      |      |      |      |      |      |
|            | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |



**IES FLOOD REPORT**  
**PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES**

**LUMENS TABULATION - (Cont.)**

|              |      |      |      |      |      |      |      |      |      |      |
|--------------|------|------|------|------|------|------|------|------|------|------|
| <b>-75</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-80</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-85</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>-90</b>   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <b>Total</b> | 1.95 | 1.61 | 1.31 | 1.05 | 0.83 | 0.64 | 0.49 | 0.37 | 0.28 | 0.20 |

| <b>Vert.<br/>Angles</b> | <b>Horizontal Angles</b> |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|-------------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                         | <b><u>80</u></b>         | <b><u>81</u></b> | <b><u>82</u></b> | <b><u>83</u></b> | <b><u>84</u></b> | <b><u>85</u></b> | <b><u>86</u></b> | <b><u>87</u></b> | <b><u>88</u></b> | <b><u>89</u></b> |
| <b>90</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>85</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>80</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>75</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>70</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>65</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>60</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>55</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>50</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>45</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>40</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>35</b>               | 0.00                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>30</b>               | 0.01                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>25</b>               | 0.01                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>20</b>               | 0.01                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>15</b>               | 0.01                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>10</b>               | 0.01                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>5</b>                | 0.01                     | 0.01             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>0</b>                | 0.01                     | 0.01             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>-5</b>               | 0.01                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>-10</b>              | 0.01                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |
| <b>-15</b>              | 0.01                     | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             | 0.00             |

IES FLOOD REPORT  
 PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES

LUMENS TABULATION - (Cont.)

|       |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|
| -20   | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -25   | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -30   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -35   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -40   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -45   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -50   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -55   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -60   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -65   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -70   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -75   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -80   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -85   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -90   | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 0.14 | 0.09 | 0.06 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 |

Vert. Horizontal Angles

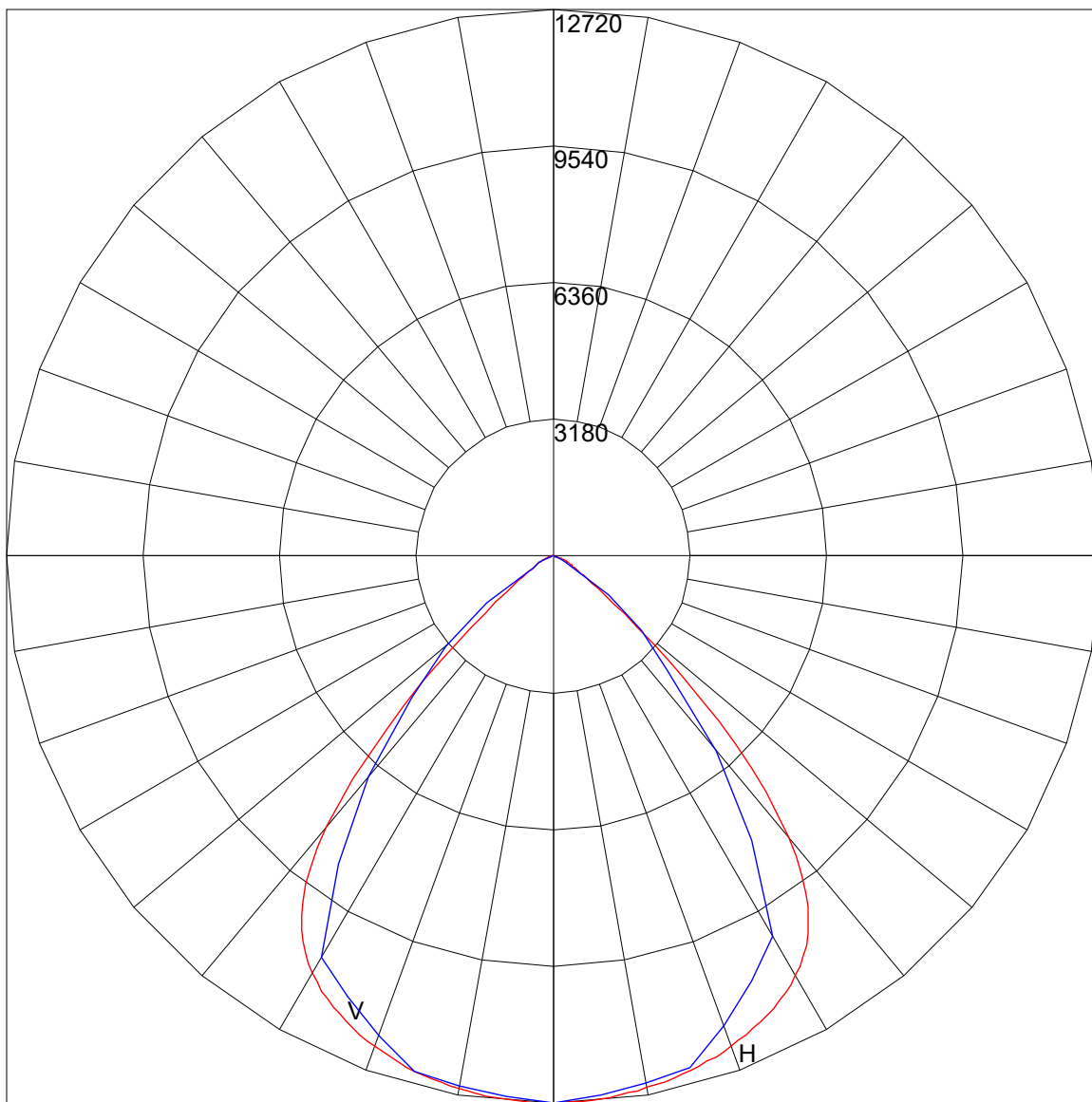
| Angles | <u>90</u> | <u>Total</u> |
|--------|-----------|--------------|
| 90     |           |              |
| 85     | 0.71      |              |
| 80     | 1.81      |              |
| 75     | 2.90      |              |
| 70     | 6.90      |              |
| 65     | 13.79     |              |
| 60     | 20.68     |              |
| 55     | 44.18     |              |
| 50     | 84.29     |              |
| 45     | 124.40    |              |
| 40     | 203.36    |              |
|        | 321.18    |              |

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : PFK SEL140 66 UV 8SEL [140W, 4000K].IES

LUMENS TABULATION - (Cont.)

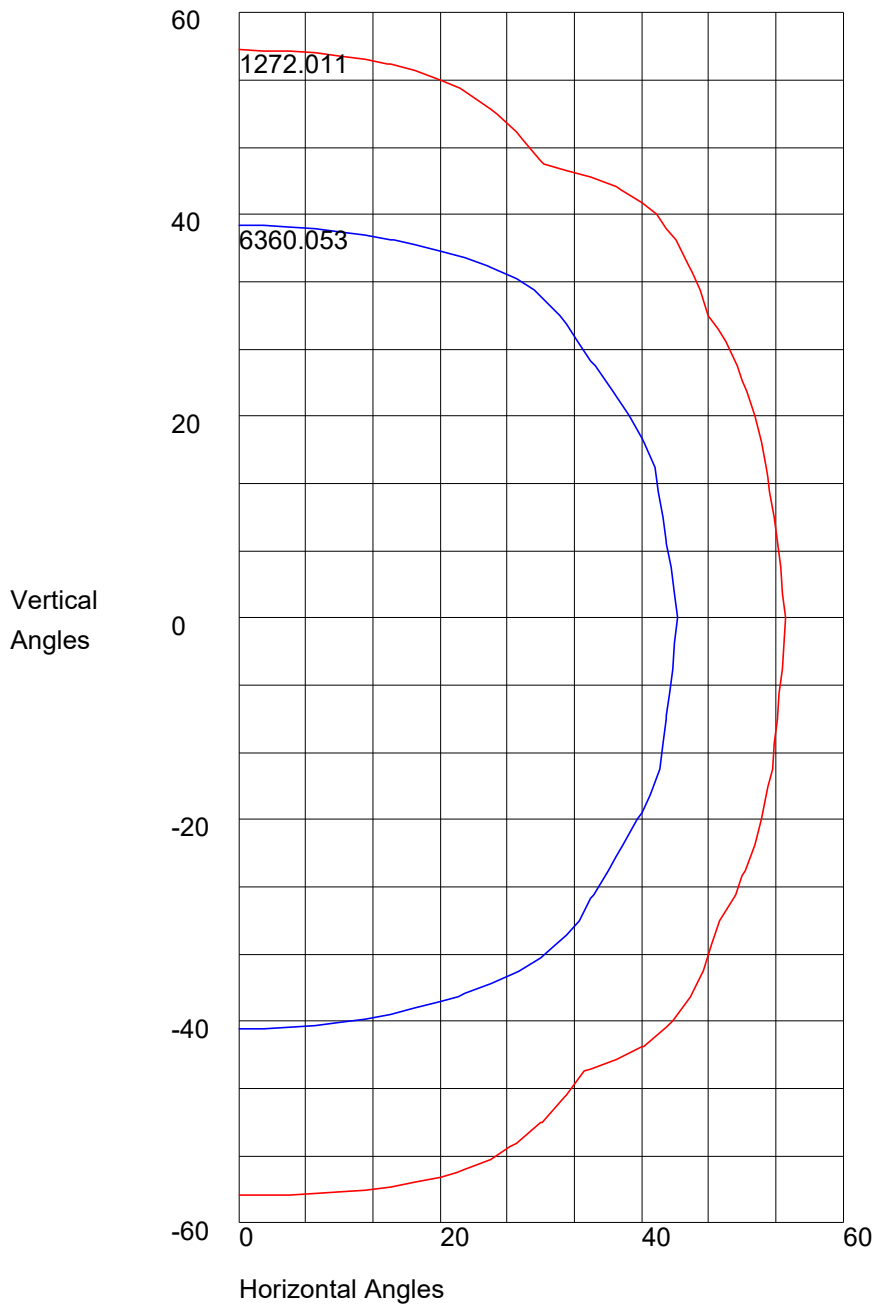
|       |          |
|-------|----------|
| 35    | 439.00   |
| 30    | 528.98   |
| 25    | 591.11   |
| 20    | 653.24   |
| 15    | 692.43   |
| 10    | 708.66   |
| 5     | 724.89   |
| 0     | 726.72   |
| -5    | 714.14   |
| -10   | 701.56   |
| -15   | 668.25   |
| -20   | 614.21   |
| -25   | 560.17   |
| -30   | 474.10   |
| -35   | 356.01   |
| -40   | 237.92   |
| -45   | 153.43   |
| -50   | 102.54   |
| -55   | 51.65    |
| -60   | 22.41    |
| -65   | 14.81    |
| -70   | 7.21     |
| -75   | 2.94     |
| -80   | 2.02     |
| -85   | 1.09     |
| -90   |          |
| Total | 10573.64 |

AXIAL CANDELA DISPLAY



Maximum Candela = 12720.106 Located At Horizontal Angle = -1, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 12720.106 Located At Horizontal Angle = -1, Vertical Angle = 0  
50% Maximum Candela = 6360.053  
10% Maximum Candela = 1272.0106