



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL140 55 UV 8SEL [100W, 3000K].IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[TESTDATE] 2023-02-08

[ISSUEDATE] 2023-02-22 09:51:45

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-2000A\_V1 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMCAT] PFK SEL140 55 UV 8SEL [100W, 3000K]

Note: Candela values converted from Type-C to Type-B

### CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	12723.698
Maximum Candela Angle	-7H 0V
Horizontal Beam Angle (50%)	68.2
Vertical Beam Angle (50%)	64.7
Horizontal Field Angle (10%)	91.4
Vertical Field Angle (10%)	92.4
Lumens Per Lamp	14777.53 (1 lamp)
Total Lamp Lumens	14777.53
Beam Lumens	10365
Beam Efficiency	70 %
Field Lumens	13561
Field Efficiency	92 %
Spill Lumens	1117
Luminaire Lumens	14678
Total Efficiency	99 %
Total Luminaire Watts	102.6
Ballast Factor	1.00

**IES FLOOD REPORT****PHOTOMETRIC FILENAME : PFK SEL140 55 UV 8SEL [100W, 3000K].IES****AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	1.421	90	6.178
85	3.961	85	32.361
75	97.947	75	85.21
65	328.06	65	225.482
55	501.196	55	628.05
47.5	836.923	47.5	930.679
42.5	1902.066	42.5	2057.451
37.5	3932.637	37.5	4110.149
33	6492.838	33	5956.898
29	9042.258	29	7599.042
25.5	10608.164	25.5	9035.875
22.5	11447.144	22.5	9889.748
19.5	11993.934	19.5	10592.562
17	12294.634	17	10865.602
15	12453.494	15	11084.035
13	12565.547	13	11301.049
11	12637.885	11	11518.773
9	12684.692	9	11736.496
7	12708.095	7	11954.219
5	12719.443	5	12171.234
3	12722.279	3	12389.666
1	12718.024	1	12607.39
0	12716.606	0	12716.606
-1	12715.187	-1	12636.467
-3	12716.606	-3	12476.188
-5	12720.861	-5	12316.619
-7	12723.698	-7	12157.05
-9	12719.443	-9	11998.19
-11	12707.386	-11	11838.62
-13	12676.891	-13	11678.342
-15	12620.155	-15	11518.063
-17	12531.505	-17	11359.203
-19.5	12348.533	-19.5	11159.919
-22.5	11984.006	-22.5	10484.764
-25.5	11374.096	-25.5	9634.437
-29	10147.895	-29	8136.614
-33	7737.336	-33	6423.053
-37.5	4665.876	-37.5	4495.314
-42.5	2129.647	-42.5	2354.107
-47.5	870.255	-47.5	1157.622
-55	484.083	-55	781.322
-65	318.6	-65	278.743
-75	95.089	-75	102.514
-85	3.557	-85	35.066
-90	1.579	-90	1.408

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**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7338.92

Total Field Lumens (one side of beam only) = 6780.3

\* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.03	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05
75	0.18	0.35	0.35	0.34	0.33	0.32	0.31	0.29	0.28	0.34
65	0.47	0.94	0.92	0.90	0.87	0.84	0.80	0.76	0.73	0.86
55	1.30	2.58	2.54	2.47	2.39	2.29	2.18	2.07	1.95	2.27
47.5	1.78	3.53	3.47	3.38	3.26	3.13	2.98	2.81	2.64	3.07
42.5	2.28 *	4.56 *	4.51 *	4.39 *	4.28 *	4.14 *	4.00 *	3.84 *	3.61	4.17
37.5	4.70 *	9.41 *	9.33 *	9.20 *	9.03 *	8.80 *	8.55 *	8.25 *	7.84 *	9.13 *
33	6.91 *	13.78 *	13.69 *	13.56 *	13.37 *	13.11 *	12.73 *	12.26 *	11.71 *	13.70 *
29	8.26 *	16.50 *	16.40 *	16.24 *	16.03 *	15.74 *	15.33 *	14.80 *	14.14 *	16.51 *
25.5	8.87 *	17.72 *	17.61 *	17.45 *	17.22 *	16.90 *	16.49 *	15.94 *	15.24 *	17.82 *
22.5	8.65 *	17.28 *	17.19 *	17.04 *	16.82 *	16.52 *	16.12 *	15.61 *	14.96 *	17.51 *
19.5	9.36 *	18.69 *	18.61 *	18.46 *	18.23 *	17.93 *	17.52 *	16.99 *	16.32 *	19.18 *
17	8.17 *	16.32 *	16.25 *	16.13 *	15.95 *	15.71 *	15.38 *	14.95 *	14.40 *	17.00 *
15	6.69 *	13.36 *	13.30 *	13.21 *	13.08 *	12.90 *	12.65 *	12.33 *	11.92 *	14.13 *
13	6.82 *	13.62 *	13.57 *	13.49 *	13.36 *	13.19 *	12.95 *	12.65 *	12.25 *	14.59 *
11	6.95 *	13.89 *	13.84 *	13.77 *	13.64 *	13.48 *	13.25 *	12.96 *	12.59 *	15.04 *
9	7.08 *	14.16 *	14.11 *	14.04 *	13.92 *	13.77 *	13.56 *	13.28 *	12.92 *	15.50 *
7	7.22 *	14.42 *	14.38 *	14.32 *	14.21 *	14.06 *	13.86 *	13.60 *	13.26 *	15.96 *
5	7.35 *	14.69 *	14.66 *	14.60 *	14.49 *	14.36 *	14.17 *	13.92 *	13.61 *	16.42 *
3	7.48 *	14.96 *	14.92 *	14.87 *	14.78 *	14.65 *	14.47 *	14.24 *	13.94 *	16.88 *
1	7.61 *	15.22 *	15.19 *	15.14 *	15.05 *	14.94 *	14.77 *	14.56 *	14.28 *	17.33 *
0	3.86 *	7.71 *	7.70 *	7.67 *	7.63 *	7.58 *	7.50 *	7.40 *	7.26 *	8.83 *
-1	3.86 *	7.72 *	7.71 *	7.68 *	7.64 *	7.59 *	7.51 *	7.41 *	7.27 *	8.85 *
-3	7.65 *	15.29 *	15.26 *	15.21 *	15.13 *	15.01 *	14.85 *	14.63 *	14.36 *	17.43 *
	7.55 *	15.10 *	15.07 *	15.01 *	14.92 *	14.79 *	14.62 *	14.39 *	14.10 *	17.08 *

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LUMENS TABULATION - (Cont.)

-5	7.46 *	14.90 *	14.87 *	14.81 *	14.71 *	14.58 *	14.39 *	14.15 *	13.84 *	16.72 *
-7	7.36 *	14.71 *	14.67 *	14.60 *	14.50 *	14.35 *	14.16 *	13.90 *	13.57 *	16.36 *
-9	7.26 *	14.51 *	14.47 *	14.40 *	14.29 *	14.13 *	13.93 *	13.66 *	13.31 *	16.00 *
-11	7.16 *	14.31 *	14.27 *	14.20 *	14.08 *	13.92 *	13.70 *	13.42 *	13.05 *	15.64 *
-13	7.07 *	14.12 *	14.07 *	13.99 *	13.87 *	13.70 *	13.48 *	13.18 *	12.80 *	15.30 *
-15	6.97 *	13.92 *	13.87 *	13.79 *	13.66 *	13.48 *	13.25 *	12.94 *	12.54 *	14.94 *
-17	8.57 *	17.13 *	17.06 *	16.95 *	16.78 *	16.54 *	16.23 *	15.81 *	15.29 *	18.14 *
-19.5	9.89 *	19.75 *	19.67 *	19.53 *	19.32 *	19.03 *	18.64 *	18.13 *	17.48 *	20.67 *
-22.5	9.20 *	18.37 *	18.28 *	18.14 *	17.93 *	17.64 *	17.26 *	16.76 *	16.14 *	19.03 *
-25.5	9.48 *	18.93 *	18.83 *	18.67 *	18.44 *	18.13 *	17.73 *	17.19 *	16.52 *	19.44 *
-29	8.88 *	17.72 *	17.61 *	17.45 *	17.24 *	16.95 *	16.54 *	16.00 *	15.35 *	18.03 *
-33	7.49 *	14.95 *	14.84 *	14.71 *	14.50 *	14.21 *	13.82 *	13.33 *	12.77 *	15.01 *
-37.5	5.22 *	10.44 *	10.34 *	10.19 *	9.98 *	9.71 *	9.42 *	9.08 *	8.63 *	10.08 *
-42.5	2.67 *	5.35 *	5.27 *	5.12 *	4.97 *	4.78 *	4.58 *	4.37 *	4.08 *	4.68
-47.5	2.21	4.39	4.30	4.17	4.00	3.80	3.57	3.34	3.09	3.53
-55	1.61	3.20	3.14	3.05	2.93	2.79	2.64	2.48	2.31	2.67
-65	0.58	1.15	1.14	1.11	1.07	1.03	0.99	0.94	0.89	1.05
-75	0.21	0.41	0.41	0.40	0.39	0.38	0.36	0.35	0.34	0.40
-85	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
-90	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Total	250.41	500.18	497.82	493.94	488.41	480.98	471.36	459.08	443.70	527.40

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.07	0.06	0.04
85	0.38	0.36	0.39	0.40	0.40	0.37	0.29	0.31	0.22	0.09
75	0.96	0.89	0.95	0.96	0.93	0.86	0.68	0.72	0.50	0.16
65	2.49	2.25	2.34	2.32	2.21	2.04	1.65	1.81	1.25	0.36
55	3.34	2.99	3.08	3.02	2.88	2.66	2.17	2.39	1.66	0.47
47.5	4.51	3.92	3.80	3.43	2.93	2.46	1.90	2.07	1.45	0.42

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**LUMENS TABULATION - (Cont.)**

<b>42.5</b>	9.81 *	8.29 *	7.67 *	6.38	4.80	3.42	2.33	2.41	1.70	0.51
<b>37.5</b>	14.65 *	12.29 *	11.19 *	9.00 *	6.38 *	4.09	2.48	2.44	1.73	0.54
<b>33</b>	17.68 *	14.84 *	13.39 *	10.61 *	7.31 *	4.44	2.50	2.37	1.69	0.55
<b>29</b>	19.07 *	15.97 *	14.36 *	11.30 *	7.66 *	4.51	2.43	2.24	1.60	0.53
<b>25.5</b>	18.77 *	15.78 *	14.29 *	11.29 *	7.62 *	4.41 *	2.29	2.04	1.45	0.49
<b>22.5</b>	20.71 *	17.60 *	16.16 *	12.94 *	8.83 *	5.07 *	2.51	2.14	1.51	0.51
<b>19.5</b>	18.51 *	15.94 *	14.88 *	12.13 *	8.39 *	4.80 *	2.29	1.87	1.31	0.45
<b>17</b>	15.50 *	13.52 *	12.84 *	10.64 *	7.42 *	4.26 *	2.00	1.55	1.07	0.37
<b>15</b>	16.11 *	14.20 *	13.68 *	11.50 *	8.09 *	4.66 *	2.15	1.60	1.09	0.38
<b>13</b>	16.72 *	14.88 *	14.52 *	12.39 *	8.80 *	5.05 *	2.28	1.65	1.11	0.39
<b>11</b>	17.33 *	15.56 *	15.35 *	13.25 *	9.50 *	5.42 *	2.41	1.69	1.14	0.40
<b>9</b>	17.95 *	16.25 *	16.19 *	14.08 *	10.14 *	5.82 *	2.55	1.75	1.16	0.41
<b>7</b>	18.57 *	16.94 *	17.03 *	14.91 *	10.78 *	6.21 *	2.69 *	1.80	1.18	0.42
<b>5</b>	19.18 *	17.62 *	17.86 *	15.75 *	11.43 *	6.60 *	2.85 *	1.85	1.21	0.43
<b>3</b>	19.79 *	18.30 *	18.70 *	16.62 *	12.12 *	7.01 *	2.99 *	1.89	1.23	0.43
<b>1</b>	10.12 *	9.40 *	9.66 *	8.63 *	6.31 *	3.64 *	1.53 *	0.96	0.62	0.22
<b>0</b>	10.13 *	9.41 *	9.67 *	8.64 *	6.32 *	3.65 *	1.53 *	0.96	0.62	0.22
<b>-1</b>	19.91 *	18.42 *	18.82 *	16.72 *	12.19 *	7.05 *	3.00 *	1.90	1.23	0.43
<b>-3</b>	19.43 *	17.86 *	18.10 *	15.95 *	11.57 *	6.67 *	2.87 *	1.86	1.21	0.43
<b>-5</b>	18.94 *	17.30 *	17.39 *	15.21 *	10.98 *	6.32 *	2.72 *	1.81	1.19	0.42
<b>-7</b>	18.44 *	16.73 *	16.67 *	14.48 *	10.42 *	5.97 *	2.59	1.76	1.17	0.41
<b>-9</b>	17.94 *	16.16 *	15.95 *	13.76 *	9.85 *	5.60 *	2.46	1.72	1.14	0.40
<b>-11</b>	17.46 *	15.60 *	15.25 *	13.00 *	9.22 *	5.26 *	2.34	1.67	1.12	0.39
<b>-13</b>	16.98 *	15.05 *	14.53 *	12.21 *	8.58 *	4.91 *	2.23	1.63	1.10	0.38
<b>-15</b>	16.49 *	14.49 *	13.81 *	11.44 *	7.98 *	4.55 *	2.09	1.59	1.08	0.37
<b>-17</b>	19.90 *	17.30 *	16.26 *	13.28 *	9.18 *	5.21 *	2.42	1.92	1.33	0.45
<b>-19.5</b>	22.53 *	19.38 *	17.95 *	14.43 *	9.86 *	5.60 *	2.67	2.21	1.54	0.52
<b>-22.5</b>	20.63 *	17.58 *	16.09 *	12.78 *	8.64 *	4.93 *	2.45	2.10	1.48	0.50

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**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	21.05 *	17.88 *	16.26 *	12.87 *	8.74 *	5.06 *	2.60	2.31	1.63	0.54
<b>-29</b>	19.51 *	16.60 *	15.16 *	12.08 *	8.31 *	4.96	2.67	2.45	1.73	0.56
<b>-33</b>	16.19 *	13.74 *	12.62 *	10.19 *	7.19 *	4.52	2.62	2.51	1.77	0.56
<b>-37.5</b>	10.87 *	9.24 *	8.59 *	7.14 *	5.32	3.71	2.43	2.47	1.74	0.53
<b>-42.5</b>	5.03	4.35	4.19	3.74	3.16	2.60	1.97	2.12	1.49	0.43
<b>-47.5</b>	3.78	3.33	3.37	3.26	3.07	2.80	2.26	2.48	1.72	0.49
<b>-55</b>	2.89	2.58	2.65	2.60	2.46	2.25	1.80	1.94	1.32	0.37
<b>-65</b>	1.17	1.09	1.16	1.16	1.12	1.03	0.81	0.84	0.55	0.15
<b>-75</b>	0.46	0.44	0.47	0.49	0.48	0.44	0.34	0.34	0.22	0.06
<b>-85</b>	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.05	0.04	0.01
<b>-90</b>										
<b>Total</b>	582.06	512.45	493.39	417.15	299.69	181.04	91.96	76.25	52.34	17.18

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>	<b><u>Total</u></b>
<b>90</b>				
	0.02	0.00		1.19
<b>85</b>				
	0.03	0.00		6.34
<b>75</b>				
	0.03	0.00		15.72
<b>65</b>				
	0.05	0.00		40.80
<b>55</b>				
	0.05	0.00		54.78
<b>47.5</b>				
	0.05	0.00		66.72
<b>42.5</b>				
	0.06	0.00		131.60
<b>37.5</b>				
	0.06	0.00		189.66
<b>33</b>				
	0.06	0.00		225.40
<b>29</b>				
	0.06	0.00		241.00
<b>25.5</b>				
	0.06	0.00		236.18
<b>22.5</b>				
	0.06	0.00		259.36
<b>19.5</b>				
	0.05	0.00		230.86
<b>17</b>				
	0.05	0.00		192.78
<b>15</b>				
	0.05	0.00		200.02

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**LUMENS TABULATION - (Cont.)**

<b>13</b>	0.05	0.00	207.24
<b>11</b>	0.05	0.00	214.44
<b>9</b>	0.05	0.00	221.63
<b>7</b>	0.05	0.00	228.83
<b>5</b>	0.05	0.00	236.02
<b>3</b>	0.05	0.00	243.23
<b>1</b>	0.03	0.00	124.25
<b>0</b>	0.03	0.00	124.42
<b>-1</b>	0.05	0.00	244.54
<b>-3</b>	0.05	0.00	238.64
<b>-5</b>	0.05	0.00	232.77
<b>-7</b>	0.05	0.00	226.88
<b>-9</b>	0.05	0.00	221.01
<b>-11</b>	0.05	0.00	215.13
<b>-13</b>	0.05	0.00	209.22
<b>-15</b>	0.05	0.00	203.29
<b>-17</b>	0.06	0.00	245.79
<b>-19.5</b>	0.06	0.00	278.87
<b>-22.5</b>	0.06	0.00	255.99
<b>-25.5</b>	0.06	0.00	262.38
<b>-29</b>	0.07	0.00	245.88
<b>-33</b>	0.06	0.00	207.60
<b>-37.5</b>	0.06	0.00	145.21
<b>-42.5</b>	0.05	0.00	75.02
<b>-47.5</b>	0.05	0.00	63.01
<b>-55</b>	0.04	0.00	47.74
<b>-65</b>	0.02	0.00	19.04
<b>-75</b>	0.01	0.00	7.42

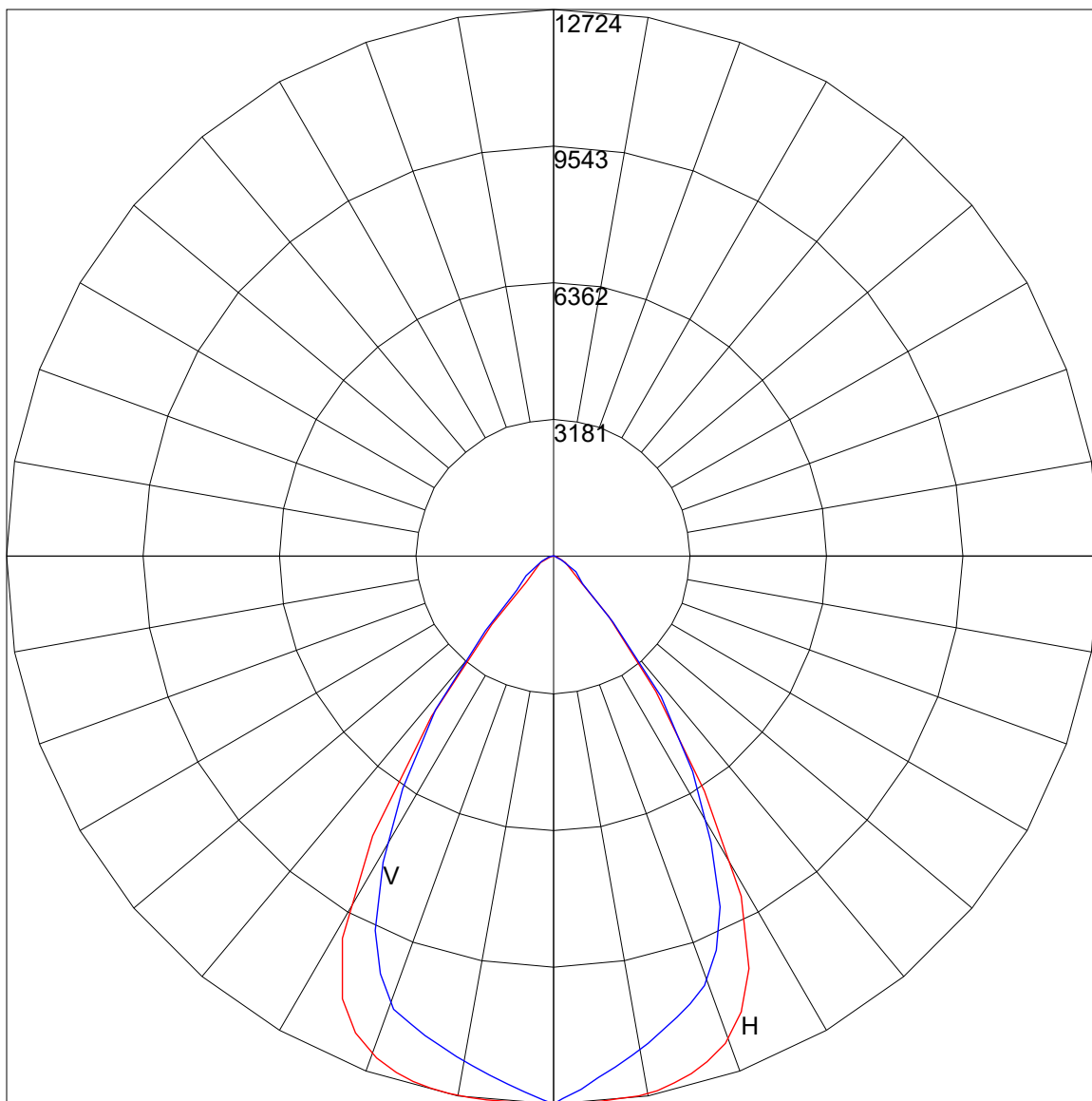
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**LUMENS TABULATION - (Cont.)**

<b>-85</b>	0.00	0.00	1.02
<b>-90</b>			
<b>Total</b>	2.11	0.03	7338.92

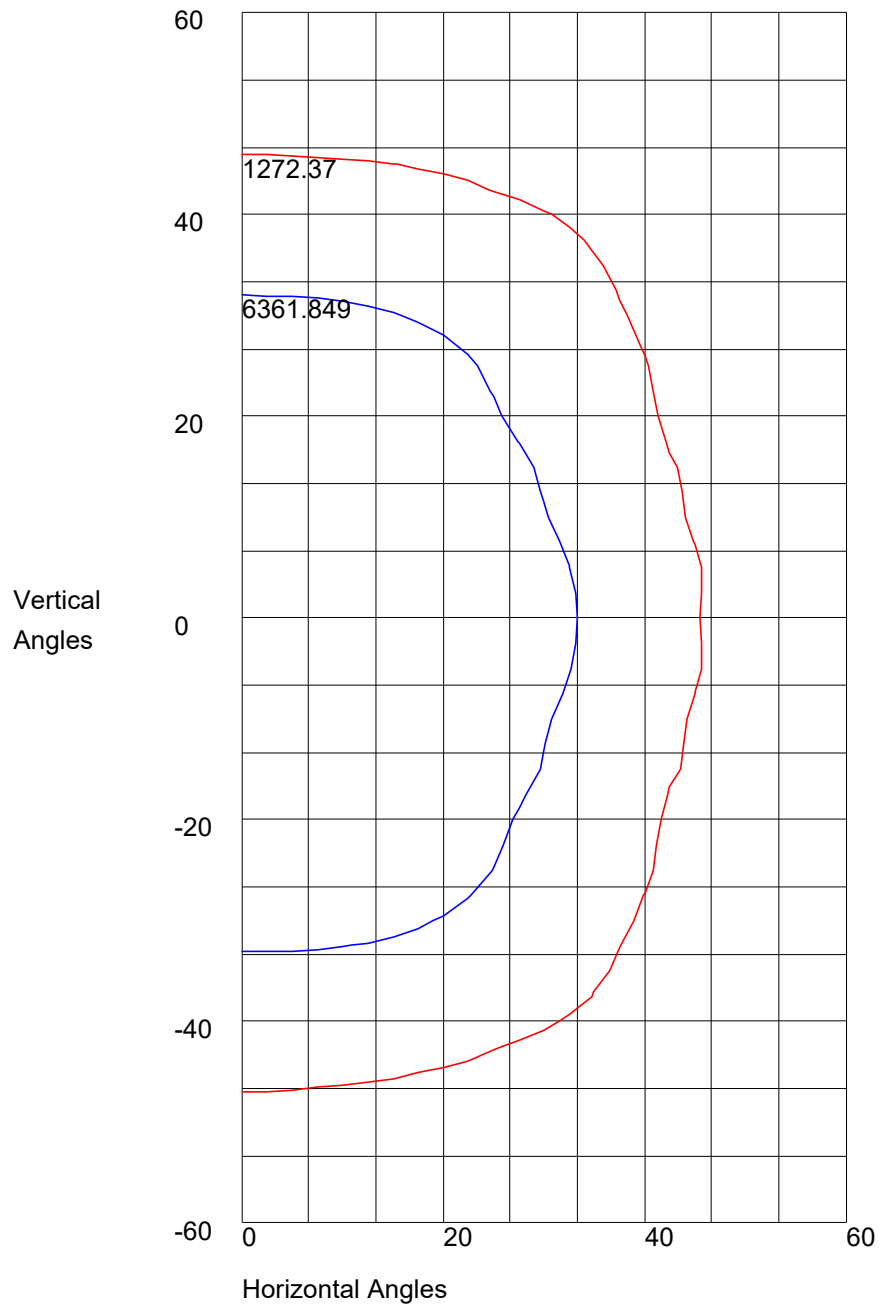


AXIAL CANDELA DISPLAY



Maximum Candela = 12723.698 Located At Horizontal Angle = -7, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 12723.698 Located At Horizontal Angle = -7, Vertical Angle = 0  
50% Maximum Candela = 6361.849  
10% Maximum Candela = 1272.3698