



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [290W, 5000K].IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[TESTDATE] 2023-02-02

[ISSUEDATE] 2023-02-11 17:28:33

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-2000A\_V1 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMCAT] PFK SEL290 66 UV 8SEL [290W, 5000K]

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

### CHARACTERISTICS

NEMA Type	6 H x 6 V
Maximum Candela	24036
Maximum Candela Angle	1H 0V
Horizontal Beam Angle (50%)	84.6
Vertical Beam Angle (50%)	75.4
Horizontal Field Angle (10%)	110.1
Vertical Field Angle (10%)	123.4
Lumens Per Lamp	39280 (1 lamp)
Total Lamp Lumens	39280
Beam Lumens	28212
Beam Efficiency	72 %
Field Lumens	36955
Field Efficiency	94 %
Spill Lumens	2059
Luminaire Lumens	39014
Total Efficiency	99 %
Total Luminaire Watts	301.4
Ballast Factor	1.00

**IES FLOOD REPORT****PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [290W, 5000K].IES****AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	4.262	90	10.53
85	12.907	85	164.57
75	335.25	75	473.7
65	981.08	65	1453.7
55	2581.2	55	4446.2
47.5	7504.7	47.5	6722.9
42.5	13187	42.5	9045.4
37.5	17717	37.5	12186
33	20189	33	14999
29	21438	29	17533
25.5	22245	25.5	19694
22.5	22744	22.5	20942
19.5	23111	19.5	21931
17	23357	17	22178
15	23521	15	22376
13	23667	13	22607
11	23767	11	22838
9	23843	9	23052
7	23910	7	23250
5	23980	5	23447
3	24030	3	23679
1	24036	1	23911
0	24026	0	24026
-1	24006	-1	23915
-3	23950	-3	23692
-5	23859	-5	23470
-7	23759	-7	23281
-9	23646	-9	23092
-11	23523	-11	22887
-13	23349	-13	22665
-15	23135	-15	22443
-17	22905	-17	22254
-19.5	22523	-19.5	22017
-22.5	21946	-22.5	21014
-25.5	21251	-25.5	19741
-29	20290	-29	17519
-33	18771	-33	14914
-37.5	15642	-37.5	12023
-42.5	10513	-42.5	8794.4
-47.5	5503.5	-47.5	6456.4
-55	1931.9	-55	4264.1
-65	877.18	-65	1383.6
-75	306.3	-75	443.84
-85	10.651	-85	151.04
-90	5.05	-90	4.92

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**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 19507.1

Total Field Lumens (one side of beam only) = 18477.55

\* 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	0.13	0.26	0.26	0.26	0.25	0.24	0.23	0.22	0.21	0.25
75	0.97	1.92	1.90	1.85	1.79	1.73	1.65	1.57	1.49	1.76
65	2.93	5.85	5.79	5.66	5.50	5.29	5.06	4.82	4.56	5.32
55	8.98 *	17.91 *	17.71 *	17.35 *	16.88 *	16.29 *	15.60 *	14.81 *	13.94 *	16.11 *
47.5	12.75 *	25.42 *	25.13 *	24.62 *	23.97 *	23.15 *	22.16 *	21.03 *	19.76 *	22.75 *
42.5	12.00 *	23.97 *	23.73 *	23.27 *	22.73 *	22.04 *	21.25 *	20.33 *	19.20 *	22.26 *
37.5	16.17 *	32.29 *	32.03 *	31.59 *	31.02 *	30.27 *	29.43 *	28.45 *	27.25 *	32.22 *
33	18.64 *	37.19 *	36.95 *	36.59 *	36.10 *	35.46 *	34.64 *	33.68 *	32.61 *	39.09 *
29	19.83 *	39.58 *	39.36 *	39.02 *	38.58 *	38.03 *	37.32 *	36.46 *	35.49 *	42.78 *
25.5	19.85 *	39.64 *	39.44 *	39.13 *	38.72 *	38.21 *	37.61 *	36.87 *	35.99 *	43.57 *
22.5	18.57 *	37.09 *	36.92 *	36.66 *	36.30 *	35.86 *	35.33 *	34.69 *	33.95 *	41.19 *
19.5	19.59 *	39.13 *	38.97 *	38.71 *	38.35 *	37.91 *	37.38 *	36.75 *	36.01 *	43.77 *
17	16.79 *	33.54 *	33.41 *	33.19 *	32.89 *	32.53 *	32.09 *	31.57 *	30.95 *	37.65 *
15	13.57 *	27.10 *	26.99 *	26.82 *	26.59 *	26.30 *	25.94 *	25.53 *	25.04 *	30.45 *
13	13.70 *	27.36 *	27.25 *	27.08 *	26.85 *	26.56 *	26.21 *	25.79 *	25.30 *	30.79 *
11	13.84 *	27.65 *	27.54 *	27.36 *	27.13 *	26.84 *	26.49 *	26.08 *	25.59 *	31.17 *
9	13.98 *	27.92 *	27.81 *	27.63 *	27.40 *	27.11 *	26.77 *	26.36 *	25.88 *	31.54 *
7	14.10 *	28.17 *	28.06 *	27.89 *	27.65 *	27.37 *	27.02 *	26.61 *	26.13 *	31.85 *
5	14.23 *	28.41 *	28.31 *	28.14 *	27.90 *	27.61 *	27.26 *	26.85 *	26.36 *	32.14 *
3	14.35 *	28.67 *	28.56 *	28.39 *	28.16 *	27.87 *	27.52 *	27.11 *	26.63 *	32.47 *
1	14.49 *	28.95 *	28.84 *	28.66 *	28.43 *	28.15 *	27.81 *	27.40 *	26.92 *	32.85 *
0	7.30 *	14.58 *	14.52 *	14.43 *	14.32 *	14.18 *	14.01 *	13.81 *	13.57 *	16.57 *
-1	7.30 *	14.58 *	14.52 *	14.43 *	14.32 *	14.18 *	14.01 *	13.81 *	13.57 *	16.57 *
-3	14.50 *	28.96 *	28.85 *	28.67 *	28.44 *	28.16 *	27.82 *	27.41 *	26.92 *	32.85 *
	14.37 *	28.69 *	28.58 *	28.41 *	28.18 *	27.89 *	27.54 *	27.12 *	26.63 *	32.48 *

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**LUMENS TABULATION - (Cont.)**

<b>-5</b>	14.24 *	28.44 *	28.33 *	28.16 *	27.93 *	27.64 *	27.29 *	26.87 *	26.37 *	32.15 *
<b>-7</b>	14.13 *	28.21 *	28.10 *	27.92 *	27.69 *	27.40 *	27.05 *	26.63 *	26.14 *	31.86 *
<b>-9</b>	14.01 *	27.97 *	27.86 *	27.68 *	27.44 *	27.16 *	26.81 *	26.39 *	25.90 *	31.55 *
<b>-11</b>	13.87 *	27.71 *	27.59 *	27.42 *	27.18 *	26.90 *	26.54 *	26.12 *	25.62 *	31.19 *
<b>-13</b>	13.74 *	27.43 *	27.32 *	27.15 *	26.92 *	26.63 *	26.27 *	25.84 *	25.32 *	30.80 *
<b>-15</b>	13.61 *	27.18 *	27.07 *	26.90 *	26.66 *	26.37 *	26.01 *	25.58 *	25.06 *	30.47 *
<b>-17</b>	16.85 *	33.66 *	33.51 *	33.29 *	33.00 *	32.63 *	32.18 *	31.63 *	30.99 *	37.68 *
<b>-19.5</b>	19.66 *	39.26 *	39.09 *	38.82 *	38.47 *	38.03 *	37.49 *	36.82 *	36.05 *	43.79 *
<b>-22.5</b>	18.62 *	37.19 *	37.01 *	36.75 *	36.39 *	35.95 *	35.40 *	34.73 *	33.94 *	41.16 *
<b>-25.5</b>	19.87 *	39.66 *	39.45 *	39.14 *	38.73 *	38.22 *	37.60 *	36.81 *	35.90 *	43.42 *
<b>-29</b>	19.76 *	39.45 *	39.21 *	38.86 *	38.43 *	37.87 *	37.13 *	36.24 *	35.24 *	42.44 *
<b>-33</b>	18.47 *	36.84 *	36.58 *	36.22 *	35.72 *	35.07 *	34.22 *	33.23 *	32.14 *	38.49 *
<b>-37.5</b>	15.85 *	31.65 *	31.37 *	30.92 *	30.33 *	29.56 *	28.71 *	27.71 *	26.49 *	31.28 *
<b>-42.5</b>	11.61 *	23.18 *	22.92 *	22.45 *	21.89 *	21.18 *	20.37 *	19.44 *	18.31 *	21.17 *
<b>-47.5</b>	12.23 *	24.38 *	24.08 *	23.56 *	22.89 *	22.06 *	21.07 *	19.93 *	18.66 *	21.41 *
<b>-55</b>	8.60 *	17.14 *	16.95 *	16.60 *	16.14 *	15.55 *	14.88 *	14.11 *	13.25 *	15.28 *
<b>-65</b>	2.78	5.55	5.50	5.40	5.26	5.08	4.88	4.66	4.42	5.17
<b>-75</b>	0.90	1.80	1.78	1.75	1.70	1.66	1.59	1.53	1.46	1.73
<b>-85</b>	0.12	0.24	0.23	0.23	0.23	0.22	0.21	0.20	0.19	0.23
<b>-90</b>										
<b>Total</b>	571.88	1141.77	1135.38	1125.04	1111.43	1094.41	1073.9	1049.6	1021.38	1231.71

**Vert. Horizontal Angles**

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
<b>90</b>	0.28	0.26	0.27	0.28	0.28	0.27	0.22	0.25	0.21	0.11
<b>85</b>	1.95	1.78	1.87	1.87	1.80	1.65	1.31	1.35	0.92	0.33
<b>75</b>	5.79	5.18	5.28	5.05	4.62	4.05	3.07	3.08	2.00	0.61
<b>65</b>	17.28	15.08	14.88	13.72	11.94	9.88	7.17	6.98	4.46	1.30
<b>55</b>	24.29 *	20.98 *	20.46 *	18.63 *	15.94	12.91	9.18	8.83	5.62	1.64
<b>47.5</b>	24.14 *	21.17 *	20.95 *	19.37 *	16.55 *	12.99 *	8.68	7.87	4.87	1.44

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**LUMENS TABULATION - (Cont.)**

<b>42.5</b>	35.77 *	32.27 *	33.05 *	31.43 *	27.06 *	20.61 *	12.75 *	10.34	5.86	1.72
<b>37.5</b>	44.07 *	40.58 *	42.46 *	41.14 *	35.77 *	26.81 *	15.74 *	11.76	6.17	1.80
<b>33</b>	48.72 *	45.39 *	47.97 *	46.91 *	40.96 *	30.46 *	17.29 *	12.25 *	6.16	1.79
<b>29</b>	49.87 *	46.71 *	49.60 *	48.69 *	42.65 *	31.79 *	17.91 *	12.29 *	5.93	1.72
<b>25.5</b>	47.27 *	44.44 *	47.44 *	46.83 *	41.19 *	30.79 *	17.35 *	11.73 *	5.48	1.57
<b>22.5</b>	50.37 *	47.55 *	50.96 *	50.55 *	44.88 *	33.62 *	18.84 *	12.71 *	5.81	1.64
<b>19.5</b>	43.37 *	41.03 *	44.10 *	44.00 *	39.47 *	29.94 *	16.93 *	11.39 *	5.11	1.41
<b>17</b>	35.09 *	33.23 *	35.83 *	36.00 *	32.57 *	25.15 *	14.46 *	9.65 *	4.27	1.16
<b>15</b>	35.50 *	33.65 *	36.38 *	36.74 *	33.53 *	26.21 *	15.18 *	10.07 *	4.41	1.18
<b>13</b>	35.98 *	34.15 *	37.02 *	37.63 *	34.61 *	27.18 *	15.75 *	10.42 *	4.51	1.20
<b>11</b>	36.44 *	34.63 *	37.62 *	38.46 *	35.65 *	28.11 *	16.38 *	10.84 *	4.60	1.22
<b>9</b>	36.82 *	35.03 *	38.14 *	39.10 *	36.50 *	29.12 *	17.17 *	11.36 *	4.69	1.24
<b>7</b>	37.18 *	35.40 *	38.63 *	39.73 *	37.32 *	30.09 *	17.93 *	11.82 *	4.76	1.26
<b>5</b>	37.59 *	35.82 *	39.17 *	40.46 *	38.23 *	31.13 *	18.69 *	12.22 *	4.83	1.28
<b>3</b>	38.05 *	36.32 *	39.78 *	41.28 *	39.33 *	32.25 *	19.32 *	12.44 *	4.86	1.29
<b>1</b>	19.21 *	18.34 *	20.12 *	20.96 *	20.10 *	16.52 *	9.83 *	6.25 *	2.42	0.65
<b>0</b>	19.21 *	18.34 *	20.12 *	20.96 *	20.10 *	16.51 *	9.82 *	6.24 *	2.42	0.65
<b>-1</b>	38.06 *	36.31 *	39.77 *	41.25 *	39.27 *	32.19 *	19.27 *	12.40 *	4.84	1.29
<b>-3</b>	37.59 *	35.81 *	39.14 *	40.39 *	38.12 *	31.00 *	18.59 *	12.14 *	4.80	1.27
<b>-5</b>	37.18 *	35.38 *	38.58 *	39.63 *	37.15 *	29.90 *	17.78 *	11.71 *	4.73	1.25
<b>-7</b>	36.82 *	35.01 *	38.09 *	38.97 *	36.27 *	28.85 *	16.96 *	11.21 *	4.64	1.23
<b>-9</b>	36.44 *	34.61 *	37.55 *	38.29 *	35.37 *	27.78 *	16.11 *	10.64 *	4.53	1.21
<b>-11</b>	35.99 *	34.13 *	36.94 *	37.43 *	34.28 *	26.79 *	15.43 *	10.18 *	4.43	1.18
<b>-13</b>	35.51 *	33.62 *	36.28 *	36.51 *	33.14 *	25.76 *	14.83 *	9.81 *	4.32	1.16
<b>-15</b>	35.09 *	33.19 *	35.71 *	35.73 *	32.13 *	24.63 *	14.06 *	9.35 *	4.17	1.14
<b>-17</b>	43.38 *	40.99 *	43.94 *	43.62 *	38.84 *	29.20 *	16.36 *	10.97 *	4.97	1.38
<b>-19.5</b>	50.35 *	47.47 *	50.73 *	50.03 *	44.04 *	32.64 *	18.08 *	12.16 *	5.63	1.60
<b>-22.5</b>	47.19 *	44.31 *	47.15 *	46.25 *	40.31 *	29.79 *	16.58 *	11.16 *	5.28	1.52

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LUMENS TABULATION - (Cont.)

<b>-25.5</b>	49.66 *	46.45 *	49.17 *	47.98 *	41.62 *	30.67 *	17.06 *	11.66 *	5.70	1.66
<b>-29</b>	48.30 *	44.94 *	47.36 *	46.04 *	39.84 *	29.29 *	16.42 *	11.62 *	5.91	1.73
<b>-33</b>	43.35 *	39.85 *	41.60 *	40.10 *	34.59 *	25.68 *	14.93 *	11.14	5.90	1.72
<b>-37.5</b>	34.67 *	31.22 *	31.88 *	30.20 *	25.85 *	19.55 *	12.03 *	9.79	5.59	1.63
<b>-42.5</b>	22.89 *	20.00 *	19.71 *	18.16 *	15.48 *	12.13	8.14	7.44	4.63	1.34
<b>-47.5</b>	22.77 *	19.57 *	18.99 *	17.24 *	14.75	11.99	8.59	8.34	5.30	1.51
<b>-55</b>	16.36	14.22	14.00	12.89	11.22	9.28	6.73	6.55	4.13	1.14
<b>-65</b>	5.63	5.05	5.14	4.92	4.49	3.89	2.90	2.84	1.75	0.47
<b>-75</b>	1.93	1.76	1.84	1.84	1.75	1.57	1.20	1.17	0.71	0.20
<b>-85</b>	0.26	0.23	0.25	0.25	0.24	0.22	0.17	0.17	0.12	0.04
<b>-90</b>	0.26	0.23	0.25	0.25	0.24	0.22	0.17	0.17	0.12	0.04
<b>Total</b>	1403.63	1311.47	1395.88	1387.53	1249.83	970.82	573.19	404.61	192.44	53.89

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
<b>90</b>	0.04	0.00		4.80
<b>85</b>	0.09	0.01		31.56
<b>75</b>	0.11	0.01		89.64
<b>65</b>	0.18	0.01		258.44
<b>55</b>	0.21	0.00		359.41
<b>47.5</b>	0.18	0.00		348.99
<b>42.5</b>	0.22	0.00		501.77
<b>37.5</b>	0.23	0.00		607.45
<b>33</b>	0.23	0.00		664.60
<b>29</b>	0.23	0.00		676.43
<b>25.5</b>	0.21	0.00		640.85
<b>22.5</b>	0.22	0.00		683.71
<b>19.5</b>	0.19	0.00		591.56
<b>17</b>	0.16	0.00		481.90
<b>15</b>	0.16	0.00		489.91

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**LUMENS TABULATION - (Cont.)**

<b>13</b>	0.16	0.00	498.31
<b>11</b>	0.17	0.00	506.50
<b>9</b>	0.17	0.00	514.17
<b>7</b>	0.17	0.00	521.50
<b>5</b>	0.17	0.00	529.33
<b>3</b>	0.18	0.00	537.61
<b>1</b>	0.09	0.00	271.79
<b>0</b>	0.09	0.00	271.76
<b>-1</b>	0.17	0.00	537.41
<b>-3</b>	0.17	0.00	528.93
<b>-5</b>	0.17	0.00	520.89
<b>-7</b>	0.17	0.00	513.35
<b>-9</b>	0.17	0.00	505.46
<b>-11</b>	0.16	0.00	497.08
<b>-13</b>	0.16	0.00	488.52
<b>-15</b>	0.15	0.00	480.29
<b>-17</b>	0.19	0.00	589.26
<b>-19.5</b>	0.21	0.00	680.42
<b>-22.5</b>	0.20	0.00	636.89
<b>-25.5</b>	0.22	0.00	670.67
<b>-29</b>	0.22	0.00	656.31
<b>-33</b>	0.22	0.00	596.07
<b>-37.5</b>	0.20	0.00	486.48
<b>-42.5</b>	0.16	0.00	332.59
<b>-47.5</b>	0.17	0.00	339.50
<b>-55</b>	0.13	0.00	245.13
<b>-65</b>	0.06	0.00	85.86
<b>-75</b>	0.04	0.00	29.92

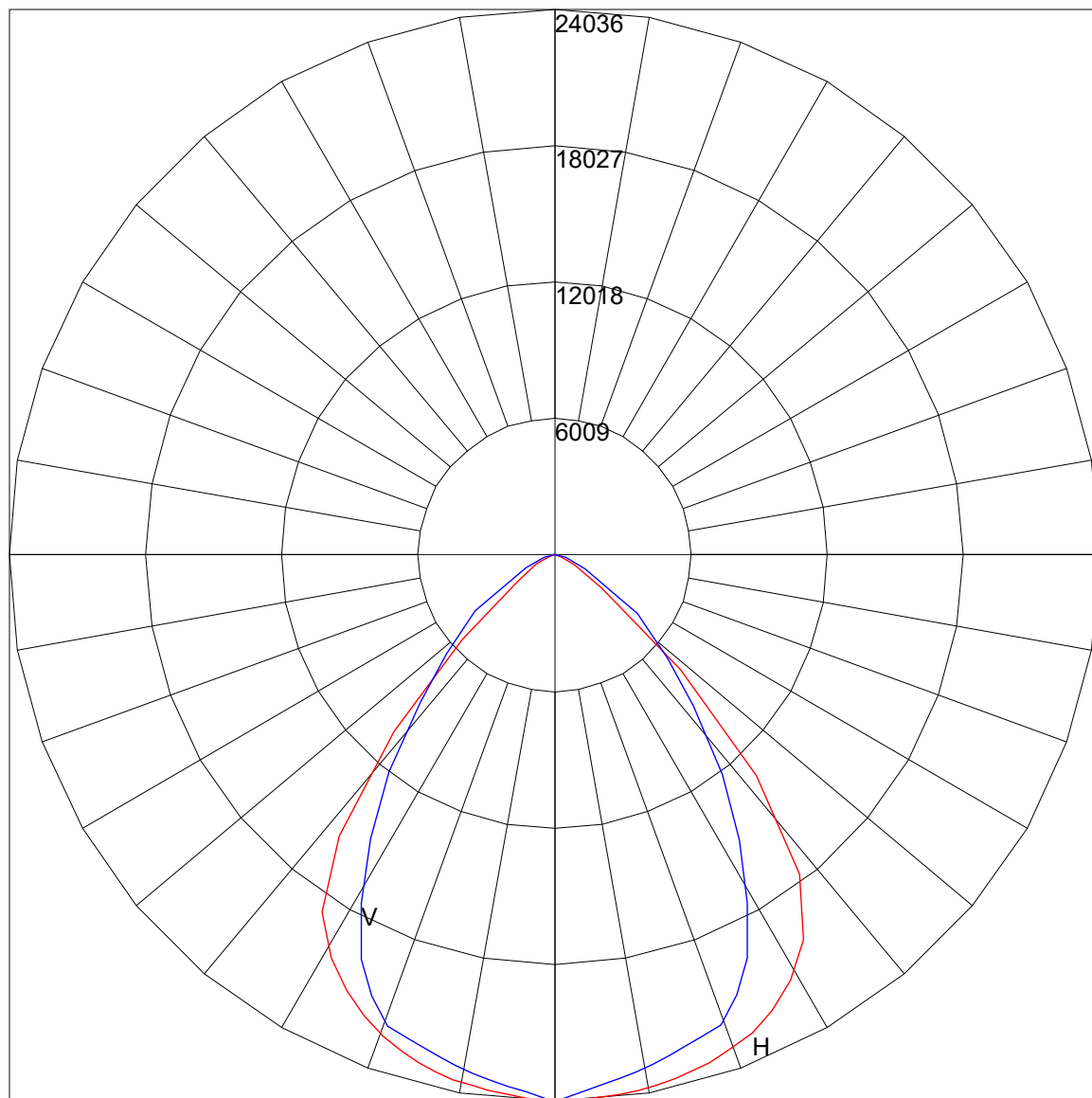
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LUMENS TABULATION - (Cont.)

-85	0.01	0.00	4.05
-90			
Total	7.20	0.09	19507.08

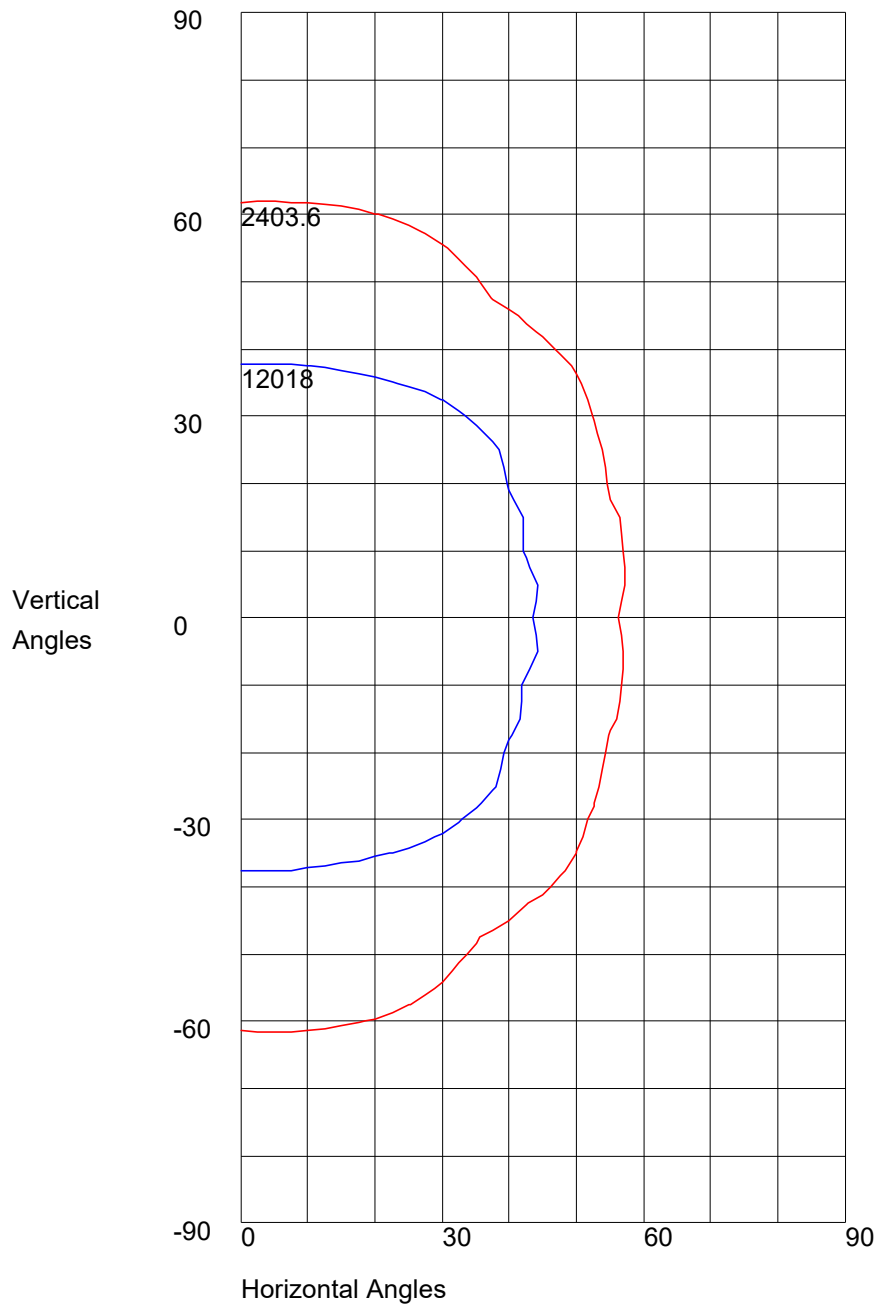


AXIAL CANDELA DISPLAY



Maximum Candela = 24036 Located At Horizontal Angle = 1, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 24036 Located At Horizontal Angle = 1, Vertical Angle = 0  
50% Maximum Candela = 12018  
10% Maximum Candela = 2403.6