



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [210W, 3000K].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 [210W, 3000K]

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

CHARACTERISTICS

NEMA Type	6 H x 6 V
Maximum Candela	16271.266
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	26590.75 (1 lamp)
Total Lamp Lumens	26590.75
Beam Lumens	19098
Beam Efficiency	72 %
Field Lumens	25017
Field Efficiency	94 %
Spill Lumens	1394
Luminaire Lumens	26411
Total Efficiency	99 %
Total Luminaire Watts	218.2
Ballast Factor	1.00

IES FLOOD REPORT**PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [210W, 3000K].IES****AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	2.885	90	7.128
85	8.737	85	111.406
75	226.949	75	320.673
65	664.146	65	984.088
55	1747.354	55	3009.873
47.5	5080.336	47.5	4551.094
42.5	8926.992	42.5	6123.319
37.5	11993.594	37.5	8249.361
33	13667.024	33	10153.633
29	14512.539	29	11869.034
25.5	15058.841	25.5	13331.932
22.5	15396.641	22.5	14176.77
19.5	15645.083	19.5	14846.278
17	15811.614	17	15013.485
15	15922.634	15	15147.522
13	16021.47	13	15303.898
11	16089.165	11	15460.275
9	16140.614	9	15605.143
7	16185.969	7	15739.18
5	16233.356	5	15872.54
3	16267.204	3	16029.593
1	16271.266	1	16186.646
0	16264.496	0	16264.496
-1	16250.957	-1	16189.354
-3	16213.048	-3	16038.393
-5	16151.445	-5	15888.11
-7	16083.749	-7	15760.165
-9	16007.254	-9	15632.221
-11	15923.988	-11	15493.446
-13	15806.198	-13	15343.162
-15	15661.33	-15	15192.878
-17	15505.631	-17	15064.934
-19.5	15247.034	-19.5	14904.496
-22.5	14856.432	-22.5	14225.511
-25.5	14385.949	-25.5	13363.748
-29	13735.396	-29	11859.557
-33	12707.103	-33	10096.092
-37.5	10588.914	-37.5	8139.018
-42.5	7116.817	-42.5	5953.404
-47.5	3725.616	-47.5	4370.686
-55	1307.807	-55	2886.599
-65	593.81	-65	936.634
-75	207.351	-75	300.459
-85	7.21	-85	102.247
-90	3.419	-90	3.33

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 13205.4

Total Field Lumens (one side of beam only) = 12508.45

* 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	0.09	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.14	0.17
75	0.66	1.30	1.29	1.26	1.21	1.17	1.12	1.06	1.01	1.19
65	1.99	3.96	3.92	3.83	3.72	3.58	3.43	3.26	3.09	3.60
55	6.08 *	12.12 *	11.99 *	11.74 *	11.43 *	11.02 *	10.56 *	10.03 *	9.44 *	10.90 *
47.5	8.63 *	17.21 *	17.01 *	16.66 *	16.22 *	15.67 *	15.00 *	14.23 *	13.37 *	15.40 *
42.5	8.13 *	16.23 *	16.06 *	15.76 *	15.39 *	14.92 *	14.38 *	13.76 *	13.00 *	15.07 *
37.5	10.95 *	21.86 *	21.68 *	21.39 *	21.00 *	20.49 *	19.92 *	19.26 *	18.45 *	21.81 *
33	12.62 *	25.18 *	25.01 *	24.77 *	24.44 *	24.00 *	23.45 *	22.80 *	22.07 *	26.46 *
29	13.42 *	26.79 *	26.64 *	26.41 *	26.12 *	25.75 *	25.26 *	24.68 *	24.02 *	28.96 *
25.5	13.44 *	26.84 *	26.70 *	26.49 *	26.21 *	25.87 *	25.46 *	24.96 *	24.37 *	29.49 *
22.5	12.57 *	25.11 *	24.99 *	24.82 *	24.57 *	24.28 *	23.92 *	23.49 *	22.98 *	27.88 *
19.5	13.26 *	26.49 *	26.38 *	26.20 *	25.96 *	25.66 *	25.31 *	24.88 *	24.38 *	29.63 *
17	11.37 *	22.71 *	22.61 *	22.47 *	22.27 *	22.02 *	21.72 *	21.37 *	20.95 *	25.49 *
15	9.19 *	18.35 *	18.27 *	18.16 *	18.00 *	17.80 *	17.56 *	17.28 *	16.95 *	20.61 *
13	9.28 *	18.52 *	18.45 *	18.33 *	18.17 *	17.98 *	17.74 *	17.46 *	17.13 *	20.84 *
11	9.37 *	18.72 *	18.64 *	18.52 *	18.36 *	18.17 *	17.93 *	17.66 *	17.33 *	21.10 *
9	9.46 *	18.90 *	18.83 *	18.71 *	18.55 *	18.35 *	18.12 *	17.85 *	17.52 *	21.35 *
7	9.55 *	19.07 *	19.00 *	18.88 *	18.72 *	18.53 *	18.29 *	18.01 *	17.69 *	21.56 *
5	9.63 *	19.23 *	19.16 *	19.05 *	18.89 *	18.69 *	18.46 *	18.18 *	17.85 *	21.76 *
3	9.72 *	19.41 *	19.34 *	19.22 *	19.06 *	18.87 *	18.63 *	18.35 *	18.02 *	21.98 *
1	9.81 *	19.60 *	19.52 *	19.40 *	19.25 *	19.06 *	18.83 *	18.55 *	18.22 *	22.24 *
0	4.94 *	9.87 *	9.83 *	9.77 *	9.69 *	9.60 *	9.49 *	9.35 *	9.18 *	11.22 *
-1	4.94 *	9.87 *	9.83 *	9.77 *	9.69 *	9.60 *	9.49 *	9.35 *	9.19 *	11.22 *
-3	9.82 *	19.60 *	19.53 *	19.41 *	19.25 *	19.06 *	18.83 *	18.55 *	18.22 *	22.24 *
	9.72 *	19.42 *	19.35 *	19.23 *	19.08 *	18.88 *	18.64 *	18.36 *	18.03 *	21.99 *

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LUMENS TABULATION - (Cont.)

-5	9.64 *	19.25 *	19.18 *	19.06 *	18.91 *	18.71 *	18.47 *	18.19 *	17.85 *	21.76 *
-7	9.56 *	19.10 *	19.02 *	18.90 *	18.74 *	18.55 *	18.31 *	18.03 *	17.70 *	21.57 *
-9	9.48 *	18.93 *	18.86 *	18.74 *	18.58 *	18.38 *	18.15 *	17.87 *	17.53 *	21.36 *
-11	9.39 *	18.76 *	18.68 *	18.56 *	18.40 *	18.21 *	17.97 *	17.68 *	17.34 *	21.11 *
-13	9.30 *	18.57 *	18.49 *	18.38 *	18.22 *	18.03 *	17.78 *	17.49 *	17.14 *	20.85 *
-15	9.22 *	18.40 *	18.32 *	18.21 *	18.05 *	17.85 *	17.61 *	17.32 *	16.97 *	20.63 *
-17	11.41 *	22.78 *	22.69 *	22.54 *	22.34 *	22.09 *	21.79 *	21.41 *	20.98 *	25.51 *
-19.5	13.31 *	26.58 *	26.46 *	26.28 *	26.04 *	25.74 *	25.38 *	24.93 *	24.40 *	29.64 *
-22.5	12.61 *	25.17 *	25.05 *	24.88 *	24.64 *	24.34 *	23.97 *	23.51 *	22.98 *	27.86 *
-25.5	13.45 *	26.85 *	26.71 *	26.50 *	26.22 *	25.87 *	25.45 *	24.92 *	24.30 *	29.40 *
-29	13.38 *	26.71 *	26.54 *	26.31 *	26.01 *	25.63 *	25.14 *	24.53 *	23.85 *	28.73 *
-33	12.50 *	24.94 *	24.76 *	24.52 *	24.18 *	23.74 *	23.17 *	22.50 *	21.76 *	26.05 *
-37.5	10.73 *	21.43 *	21.24 *	20.93 *	20.53 *	20.01 *	19.43 *	18.76 *	17.93 *	21.17 *
-42.5	7.86 *	15.69 *	15.51 *	15.20 *	14.82 *	14.34 *	13.79 *	13.16 *	12.40 *	14.33 *
-47.5	8.28 *	16.51 *	16.30 *	15.95 *	15.50 *	14.93 *	14.26 *	13.49 *	12.63 *	14.49 *
-55	5.82 *	11.61 *	11.47 *	11.23 *	10.93 *	10.53 *	10.07 *	9.55 *	8.97 *	10.34 *
-65	1.88	3.76	3.73	3.66	3.56	3.44	3.30	3.16	2.99	3.50
-75	0.61	1.22	1.21	1.19	1.15	1.12	1.08	1.03	0.99	1.17
-85	0.08	0.16	0.16	0.16	0.15	0.15	0.14	0.14	0.13	0.15
-90	0.08	0.16	0.16	0.16	0.15	0.15	0.14	0.14	0.13	0.15
Total	387.13	772.93	768.60	761.60	752.39	740.86	726.98	710.53	691.43	833.81

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.19	0.17	0.19	0.19	0.19	0.18	0.15	0.17	0.14	0.07
85	1.32	1.20	1.26	1.27	1.22	1.12	0.88	0.92	0.62	0.23
75	3.92	3.51	3.58	3.42	3.13	2.74	2.08	2.09	1.36	0.42
65	11.70	10.21	10.07	9.29	8.08	6.69	4.85	4.72	3.02	0.88
55	16.45 *	14.20 *	13.85 *	12.61 *	10.79	8.74	6.21	5.98	3.80	1.11
47.5	16.34 *	14.33 *	14.18 *	13.11 *	11.21 *	8.79 *	5.88	5.33	3.30	0.97

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LUMENS TABULATION - (Cont.)

42.5	24.21 *	21.84 *	22.37 *	21.27 *	18.32 *	13.95 *	8.63 *	7.00	3.97	1.16
37.5	29.83 *	27.47 *	28.75 *	27.85 *	24.21 *	18.15 *	10.66 *	7.96	4.17	1.22
33	32.98 *	30.73 *	32.47 *	31.75 *	27.73 *	20.62 *	11.70 *	8.30 *	4.17	1.22
29	33.76 *	31.62 *	33.58 *	32.96 *	28.87 *	21.52 *	12.13 *	8.32 *	4.01	1.16
25.5	32.00 *	30.09 *	32.11 *	31.70 *	27.89 *	20.84 *	11.74 *	7.94 *	3.71	1.06
22.5	34.10 *	32.19 *	34.50 *	34.22 *	30.39 *	22.76 *	12.75 *	8.60 *	3.93	1.11
19.5	29.36 *	27.78 *	29.85 *	29.78 *	26.72 *	20.27 *	11.46 *	7.71 *	3.46	0.96
17	23.75 *	22.49 *	24.25 *	24.37 *	22.05 *	17.02 *	9.79 *	6.53 *	2.89	0.78
15	24.03 *	22.78 *	24.63 *	24.87 *	22.70 *	17.75 *	10.28 *	6.82 *	2.98	0.80
13	24.36 *	23.12 *	25.06 *	25.48 *	23.43 *	18.40 *	10.66 *	7.05 *	3.05	0.81
11	24.67 *	23.44 *	25.47 *	26.03 *	24.13 *	19.03 *	11.09 *	7.34 *	3.11	0.82
9	24.92 *	23.71 *	25.82 *	26.47 *	24.71 *	19.71 *	11.62 *	7.69 *	3.17	0.84
7	25.17 *	23.96 *	26.15 *	26.90 *	25.26 *	20.37 *	12.14 *	8.00 *	3.22	0.85
5	25.44 *	24.25 *	26.52 *	27.39 *	25.88 *	21.07 *	12.65 *	8.27 *	3.27	0.87
3	25.76 *	24.58 *	26.93 *	27.95 *	26.62 *	21.83 *	13.08 *	8.42 *	3.29	0.87
1	13.00 *	12.42 *	13.62 *	14.19 *	13.61 *	11.18 *	6.65 *	4.23 *	1.64	0.44
0	13.00 *	12.42 *	13.62 *	14.19 *	13.60 *	11.18 *	6.65 *	4.23 *	1.64	0.44
-1	25.76 *	24.58 *	26.92 *	27.92 *	26.59 *	21.79 *	13.05 *	8.40 *	3.28	0.87
-3	25.45 *	24.24 *	26.50 *	27.34 *	25.81 *	20.98 *	12.58 *	8.22 *	3.25	0.86
-5	25.17 *	23.95 *	26.12 *	26.83 *	25.15 *	20.24 *	12.04 *	7.93 *	3.20	0.85
-7	24.93 *	23.70 *	25.78 *	26.38 *	24.56 *	19.53 *	11.48 *	7.59 *	3.14	0.83
-9	24.67 *	23.43 *	25.42 *	25.92 *	23.94 *	18.81 *	10.91 *	7.20 *	3.07	0.82
-11	24.36 *	23.10 *	25.01 *	25.34 *	23.21 *	18.13 *	10.45 *	6.89 *	3.00	0.80
-13	24.04 *	22.76 *	24.56 *	24.71 *	22.44 *	17.44 *	10.04 *	6.64 *	2.92	0.79
-15	23.76 *	22.47 *	24.17 *	24.19 *	21.75 *	16.67 *	9.52 *	6.33 *	2.82	0.77
-17	29.36 *	27.75 *	29.74 *	29.53 *	26.29 *	19.76 *	11.07 *	7.43 *	3.37	0.94
-19.5	34.09 *	32.14 *	34.34 *	33.87 *	29.81 *	22.09 *	12.24 *	8.23 *	3.81	1.08
-22.5	31.95 *	29.99 *	31.92 *	31.31 *	27.29 *	20.16 *	11.22 *	7.56 *	3.58	1.03

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LUMENS TABULATION - (Cont.)

-25.5	33.62 *	31.44 *	33.29 *	32.48 *	28.18 *	20.76 *	11.55 *	7.90 *	3.86	1.13
-29	32.70 *	30.42 *	32.06 *	31.17 *	26.97 *	19.83 *	11.12 *	7.87 *	4.00	1.17
-33	29.35 *	26.98 *	28.16 *	27.15 *	23.42 *	17.38 *	10.11 *	7.54	4.00	1.17
-37.5	23.47 *	21.13 *	21.58 *	20.44 *	17.50 *	13.24 *	8.14 *	6.63	3.79	1.10
-42.5	15.49 *	13.54 *	13.34 *	12.29 *	10.48 *	8.21	5.51	5.04	3.13	0.91
-47.5	15.42 *	13.25 *	12.85 *	11.67 *	9.99	8.12	5.82	5.64	3.59	1.02
-55	11.07	9.63	9.47	8.72	7.59	6.28	4.56	4.44	2.79	0.77
-65	3.81	3.42	3.48	3.33	3.04	2.63	1.96	1.92	1.18	0.32
-75	1.30	1.19	1.25	1.25	1.19	1.06	0.81	0.79	0.48	0.13
-85	0.17	0.16	0.17	0.17	0.16	0.15	0.11	0.12	0.08	0.03
-90	0.17	0.16	0.17	0.17	0.16	0.15	0.11	0.12	0.08	0.03
Total	950.19	887.81	944.95	939.29	846.08	657.20	388.02	273.90	130.27	36.48

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.03	0.00		3.25
85	0.06	0.00		21.37
75	0.08	0.00		60.68
65	0.12	0.00		174.95
55	0.14	0.00		243.30
47.5	0.12	0.00		236.25
42.5	0.15	0.00		339.67
37.5	0.16	0.00		411.22
33	0.16	0.00		449.90
29	0.15	0.00		457.91
25.5	0.14	0.00		433.82
22.5	0.15	0.00		462.84
19.5	0.13	0.00		400.46
17	0.11	0.00		326.22
15	0.11	0.00		331.65

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LUMENS TABULATION - (Cont.)

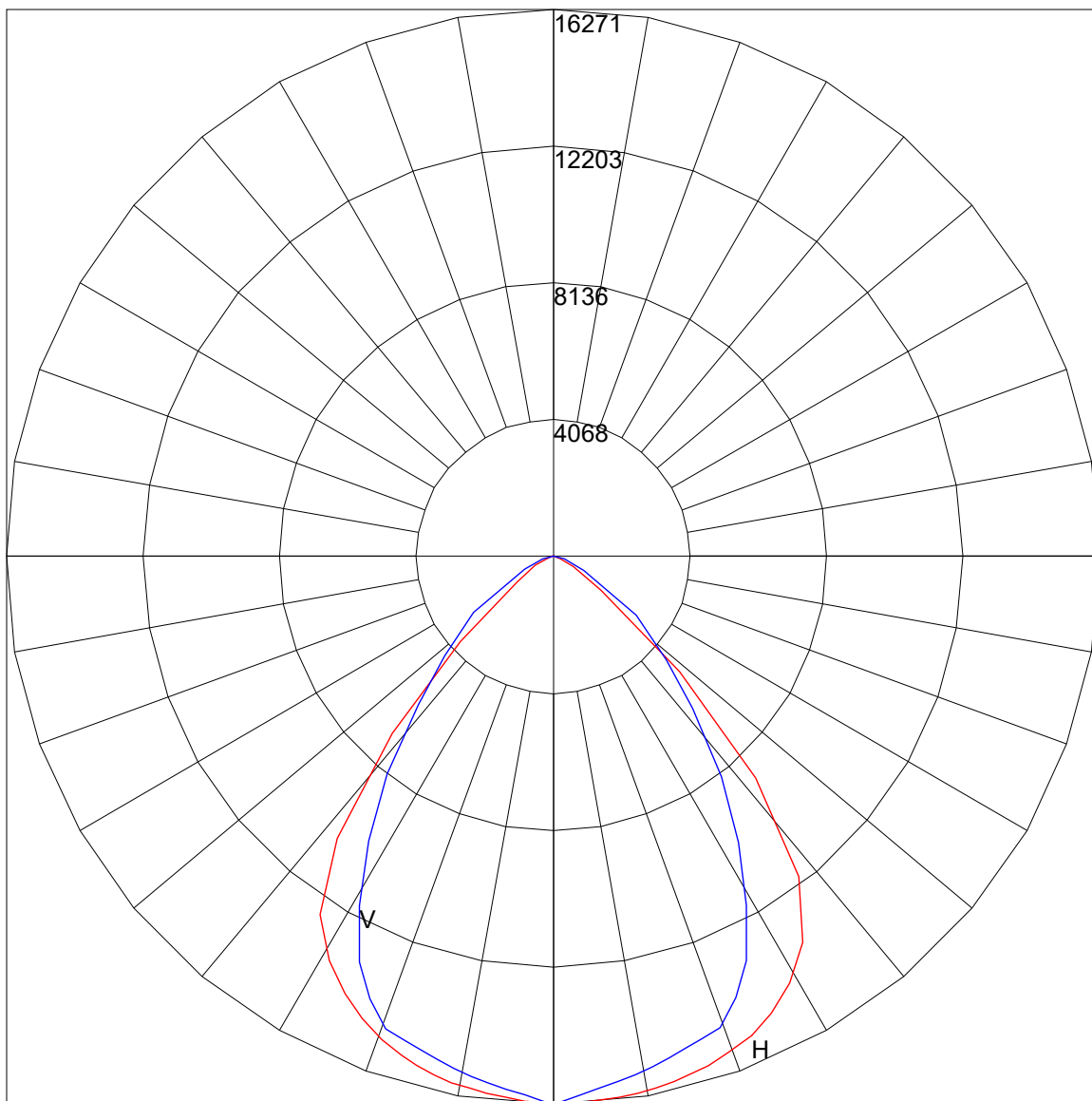
13	0.11	0.00	337.33
11	0.11	0.00	342.88
9	0.12	0.00	348.07
7	0.12	0.00	353.03
5	0.12	0.00	358.33
3	0.12	0.00	363.94
1	0.06	0.00	183.99
0	0.06	0.00	183.97
-1	0.12	0.00	363.80
-3	0.12	0.00	358.06
-5	0.12	0.00	352.62
-7	0.11	0.00	347.52
-9	0.11	0.00	342.17
-11	0.11	0.00	336.50
-13	0.11	0.00	330.70
-15	0.10	0.00	325.13
-17	0.13	0.00	398.90
-19.5	0.14	0.00	460.61
-22.5	0.14	0.00	431.14
-25.5	0.15	0.00	454.01
-29	0.15	0.00	444.29
-33	0.15	0.00	403.51
-37.5	0.13	0.00	329.33
-42.5	0.11	0.00	225.15
-47.5	0.12	0.00	229.83
-55	0.09	0.00	165.94
-65	0.04	0.00	58.12
-75	0.03	0.00	20.26

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LUMENS TABULATION - (Cont.)

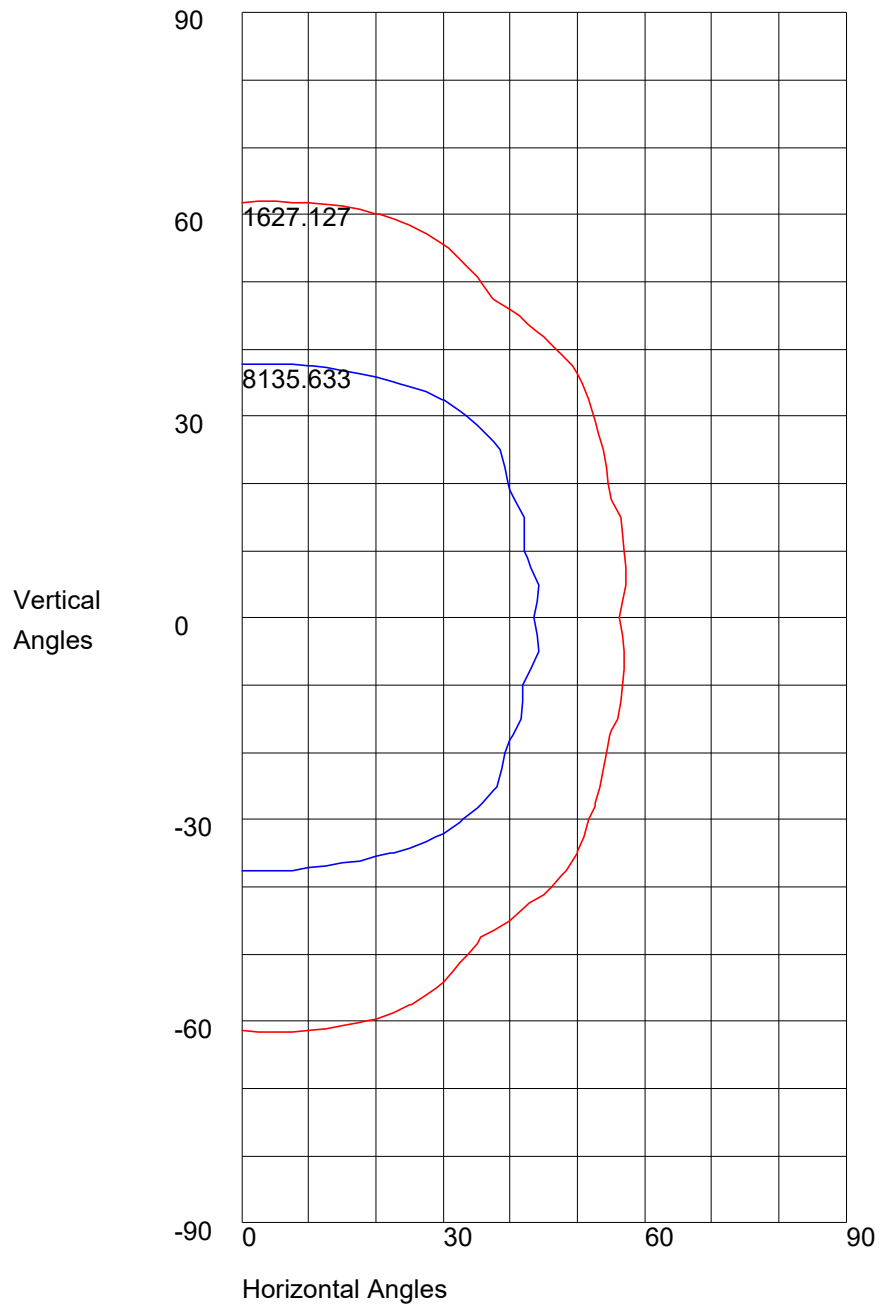
-85	0.01	0.00	2.74
-90			
Total	4.88	0.06	13205.4

AXIAL CANDELA DISPLAY



Maximum Candela = 16271.266 Located At Horizontal Angle = 1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 16271.266 Located At Horizontal Angle = 1, Vertical Angle = 0
50% Maximum Candela = 8135.633
10% Maximum Candela = 1627.1266