



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [290W, 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 [290W, 3000K]

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

CHARACTERISTICS

NEMA Type	6 H x 6 V
Maximum Candela	22128.744
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	36163.13 (1 lamp)
Total Lamp Lumens	36163.13
Beam Lumens	25973
Beam Efficiency	72 %
Field Lumens	34023
Field Efficiency	94 %
Spill Lumens	1896
Luminaire Lumens	35918
Total Efficiency	99 %
Total Luminaire Watts	301.4
Ballast Factor	1.00

IES FLOOD REPORT**PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [290W, 3000K].IES****AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	3.924	90	9.694
85	11.883	85	151.511
75	308.648	75	436.112
65	903.231	65	1338.349
55	2376.382	55	4093.394
47.5	6909.202	47.5	6189.438
42.5	12140.612	42.5	8327.648
37.5	16311.156	37.5	11219.041
33	18587.003	33	13808.829
29	19736.895	29	16141.757
25.5	20479.859	25.5	18131.281
22.5	20939.264	22.5	19280.252
19.5	21277.142	19.5	20190.775
17	21503.622	17	20418.176
15	21654.609	15	20600.465
13	21789.024	13	20813.135
11	21881.089	11	21025.805
9	21951.058	9	21222.824
7	22012.742	7	21405.113
5	22077.187	5	21586.481
3	22123.22	3	21800.071
1	22128.744	1	22013.662
0	22119.537	0	22119.537
-1	22101.124	-1	22017.345
-3	22049.568	-3	21812.04
-5	21965.788	-5	21607.656
-7	21873.723	-7	21433.653
-9	21769.69	-9	21259.65
-11	21656.45	-11	21070.917
-13	21496.257	-13	20866.532
-15	21299.238	-15	20662.148
-17	21087.488	-17	20488.145
-19.5	20735.8	-19.5	20269.951
-22.5	20204.585	-22.5	19346.539
-25.5	19564.733	-25.5	18174.552
-29	18679.989	-29	16128.867
-33	17281.521	-33	13730.574
-37.5	14400.807	-37.5	11068.975
-42.5	9678.794	-42.5	8096.564
-47.5	5066.797	-47.5	5944.085
-55	1778.604	-55	3925.744
-65	807.576	-65	1273.811
-75	281.995	-75	408.621
-85	9.806	-85	139.055
-90	4.649	-90	4.53

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 17959.21

Total Field Lumens (one side of beam only) = 17011.35

* 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	0.12	0.24	0.24	0.24	0.23	0.22	0.21	0.20	0.19	0.23
75	0.89	1.77	1.75	1.71	1.65	1.59	1.52	1.44	1.37	1.62
65	2.70	5.38	5.33	5.21	5.06	4.87	4.66	4.44	4.20	4.90
55	8.27 *	16.49 *	16.31 *	15.97 *	15.54 *	14.99 *	14.36 *	13.64 *	12.83 *	14.83 *
47.5	11.74 *	23.40 *	23.13 *	22.66 *	22.06 *	21.31 *	20.41 *	19.36 *	18.19 *	20.94 *
42.5	11.05 *	22.07 *	21.84 *	21.43 *	20.93 *	20.29 *	19.56 *	18.72 *	17.68 *	20.49 *
37.5	14.89 *	29.73 *	29.49 *	29.09 *	28.55 *	27.86 *	27.09 *	26.19 *	25.09 *	29.66 *
33	17.16 *	34.24 *	34.01 *	33.69 *	33.24 *	32.64 *	31.89 *	31.00 *	30.02 *	35.98 *
29	18.25 *	36.44 *	36.23 *	35.92 *	35.52 *	35.02 *	34.36 *	33.57 *	32.67 *	39.39 *
25.5	18.28 *	36.50 *	36.31 *	36.03 *	35.65 *	35.18 *	34.63 *	33.94 *	33.14 *	40.11 *
22.5	17.10 *	34.15 *	33.99 *	33.75 *	33.42 *	33.01 *	32.53 *	31.94 *	31.25 *	37.92 *
19.5	18.04 *	36.02 *	35.87 *	35.63 *	35.30 *	34.90 *	34.42 *	33.83 *	33.15 *	40.30 *
17	15.46 *	30.88 *	30.76 *	30.55 *	30.28 *	29.95 *	29.54 *	29.06 *	28.49 *	34.66 *
15	12.49 *	24.95 *	24.85 *	24.69 *	24.48 *	24.21 *	23.89 *	23.51 *	23.05 *	28.04 *
13	12.61 *	25.19 *	25.09 *	24.93 *	24.72 *	24.45 *	24.13 *	23.75 *	23.29 *	28.34 *
11	12.74 *	25.45 *	25.35 *	25.19 *	24.97 *	24.71 *	24.39 *	24.01 *	23.56 *	28.70 *
9	12.87 *	25.70 *	25.60 *	25.44 *	25.22 *	24.96 *	24.65 *	24.27 *	23.83 *	29.04 *
7	12.99 *	25.93 *	25.83 *	25.67 *	25.46 *	25.19 *	24.88 *	24.50 *	24.05 *	29.32 *
5	13.10 *	26.16 *	26.06 *	25.90 *	25.68 *	25.42 *	25.10 *	24.72 *	24.27 *	29.59 *
3	13.22 *	26.40 *	26.30 *	26.14 *	25.92 *	25.66 *	25.34 *	24.96 *	24.51 *	29.90 *
1	13.34 *	26.65 *	26.55 *	26.39 *	26.18 *	25.92 *	25.60 *	25.22 *	24.78 *	30.24 *
0	6.72 *	13.42 *	13.37 *	13.29 *	13.18 *	13.06 *	12.90 *	12.71 *	12.49 *	15.25 *
-1	6.72 *	13.42 *	13.37 *	13.29 *	13.18 *	13.06 *	12.90 *	12.71 *	12.49 *	15.25 *
-3	13.35 *	26.66 *	26.56 *	26.40 *	26.19 *	25.93 *	25.61 *	25.23 *	24.78 *	30.25 *
	13.23 *	26.41 *	26.31 *	26.16 *	25.94 *	25.68 *	25.36 *	24.97 *	24.52 *	29.90 *

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LUMENS TABULATION - (Cont.)

-5	13.11 *	26.19 *	26.08 *	25.93 *	25.71 *	25.45 *	25.12 *	24.74 *	24.28 *	29.60 *
-7	13.00 *	25.97 *	25.87 *	25.71 *	25.49 *	25.23 *	24.91 *	24.52 *	24.07 *	29.33 *
-9	12.89 *	25.75 *	25.65 *	25.48 *	25.26 *	25.00 *	24.68 *	24.30 *	23.84 *	29.05 *
-11	12.77 *	25.51 *	25.40 *	25.24 *	25.03 *	24.76 *	24.44 *	24.04 *	23.58 *	28.72 *
-13	12.65 *	25.26 *	25.15 *	24.99 *	24.78 *	24.51 *	24.18 *	23.79 *	23.31 *	28.36 *
-15	12.53 *	25.03 *	24.92 *	24.76 *	24.55 *	24.28 *	23.95 *	23.55 *	23.08 *	28.05 *
-17	15.52 *	30.98 *	30.85 *	30.65 *	30.38 *	30.04 *	29.63 *	29.12 *	28.53 *	34.69 *
-19.5	18.10 *	36.14 *	35.99 *	35.74 *	35.42 *	35.01 *	34.51 *	33.90 *	33.19 *	40.32 *
-22.5	17.15 *	34.24 *	34.07 *	33.83 *	33.50 *	33.10 *	32.59 *	31.97 *	31.25 *	37.89 *
-25.5	18.29 *	36.52 *	36.32 *	36.03 *	35.66 *	35.19 *	34.61 *	33.89 *	33.05 *	39.98 *
-29	18.20 *	36.32 *	36.10 *	35.78 *	35.38 *	34.86 *	34.19 *	33.37 *	32.44 *	39.08 *
-33	17.00 *	33.92 *	33.68 *	33.35 *	32.89 *	32.28 *	31.51 *	30.59 *	29.59 *	35.43 *
-37.5	14.60 *	29.14 *	28.88 *	28.47 *	27.93 *	27.22 *	26.43 *	25.51 *	24.39 *	28.79 *
-42.5	10.69 *	21.34 *	21.10 *	20.67 *	20.15 *	19.50 *	18.76 *	17.90 *	16.86 *	19.49 *
-47.5	11.26 *	22.45 *	22.17 *	21.69 *	21.08 *	20.31 *	19.40 *	18.34 *	17.18 *	19.71 *
-55	7.91 *	15.78 *	15.60 *	15.28 *	14.86 *	14.32 *	13.70 *	12.99 *	12.20 *	14.07 *
-65	2.56	5.11	5.07	4.98	4.85	4.68	4.49	4.29	4.07	4.76
-75	0.83	1.66	1.64	1.61	1.57	1.52	1.47	1.41	1.35	1.59
-85	0.11	0.22	0.22	0.21	0.21	0.20	0.19	0.19	0.18	0.21
-90										
Total	526.50	1051.17	1045.29	1035.77	1023.24	1007.56	988.68	966.31	940.34	1133.97

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>
90	0.26	0.24	0.25	0.26	0.26	0.25	0.20	0.23	0.19	0.10
85	1.79	1.64	1.72	1.72	1.66	1.52	1.20	1.24	0.85	0.31
75	5.33	4.77	4.86	4.65	4.26	3.73	2.83	2.84	1.84	0.56
65	15.91	13.88	13.70	12.63	11.00	9.10	6.60	6.42	4.11	1.19
55	22.37 *	19.31 *	18.83 *	17.15 *	14.68	11.89	8.45	8.13	5.17	1.51
47.5	22.22 *	19.49 *	19.29 *	17.83 *	15.24 *	11.96 *	7.99	7.24	4.48	1.32

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LUMENS TABULATION - (Cont.)

42.5	32.93 *	29.71 *	30.42 *	28.93 *	24.91 *	18.97 *	11.73 *	9.52	5.39	1.58
37.5	40.57 *	37.36 *	39.09 *	37.88 *	32.93 *	24.69 *	14.49 *	10.82	5.68	1.66
33	44.86 *	41.79 *	44.16 *	43.19 *	37.71 *	28.04 *	15.92 *	11.28 *	5.67	1.65
29	45.91 *	43.00 *	45.66 *	44.83 *	39.26 *	29.27 *	16.49 *	11.32 *	5.46	1.58
25.5	43.51 *	40.92 *	43.68 *	43.11 *	37.92 *	28.34 *	15.97 *	10.80 *	5.04	1.44
22.5	46.37 *	43.78 *	46.92 *	46.54 *	41.32 *	30.95 *	17.34 *	11.70 *	5.35	1.51
19.5	39.93 *	37.78 *	40.60 *	40.51 *	36.34 *	27.56 *	15.59 *	10.49 *	4.71	1.30
17	32.30 *	30.59 *	32.98 *	33.15 *	29.99 *	23.15 *	13.32 *	8.88 *	3.93	1.07
15	32.69 *	30.98 *	33.49 *	33.83 *	30.87 *	24.13 *	13.97 *	9.28 *	4.06	1.09
13	33.13 *	31.44 *	34.08 *	34.65 *	31.87 *	25.02 *	14.50 *	9.59 *	4.15	1.10
11	33.54 *	31.88 *	34.63 *	35.41 *	32.82 *	25.88 *	15.08 *	9.98 *	4.23	1.12
9	33.90 *	32.25 *	35.11 *	36.00 *	33.60 *	26.81 *	15.81 *	10.45 *	4.31	1.14
7	34.23 *	32.59 *	35.56 *	36.58 *	34.36 *	27.71 *	16.51 *	10.88 *	4.39	1.16
5	34.60 *	32.98 *	36.06 *	37.25 *	35.20 *	28.66 *	17.21 *	11.25 *	4.45	1.18
3	35.03 *	33.43 *	36.62 *	38.01 *	36.21 *	29.69 *	17.79 *	11.45 *	4.47	1.19
1	17.68 *	16.89 *	18.52 *	19.30 *	18.51 *	15.21 *	9.05 *	5.75 *	2.23	0.60
0	17.68 *	16.89 *	18.52 *	19.30 *	18.50 *	15.20 *	9.04 *	5.75 *	2.23	0.60
-1	35.04 *	33.43 *	36.61 *	37.98 *	36.16 *	29.63 *	17.74 *	11.42 *	4.46	1.19
-3	34.61 *	32.97 *	36.04 *	37.19 *	35.10 *	28.54 *	17.12 *	11.18 *	4.42	1.17
-5	34.23 *	32.58 *	35.52 *	36.49 *	34.20 *	27.53 *	16.37 *	10.78 *	4.35	1.15
-7	33.90 *	32.24 *	35.06 *	35.87 *	33.39 *	26.56 *	15.62 *	10.32 *	4.27	1.13
-9	33.55 *	31.87 *	34.57 *	35.25 *	32.56 *	25.57 *	14.83 *	9.79 *	4.17	1.11
-11	33.13 *	31.42 *	34.01 *	34.46 *	31.56 *	24.66 *	14.21 *	9.37 *	4.08	1.09
-13	32.69 *	30.96 *	33.40 *	33.61 *	30.51 *	23.72 *	13.65 *	9.03 *	3.98	1.07
-15	32.31 *	30.56 *	32.88 *	32.90 *	29.58 *	22.68 *	12.94 *	8.61 *	3.84	1.05
-17	39.94 *	37.74 *	40.45 *	40.16 *	35.76 *	26.88 *	15.06 *	10.10 *	4.58	1.27
-19.5	46.36 *	43.71 *	46.71 *	46.06 *	40.54 *	30.05 *	16.65 *	11.20 *	5.18	1.47
-22.5	43.45 *	40.79 *	43.41 *	42.58 *	37.11 *	27.42 *	15.26 *	10.28 *	4.86	1.40

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LUMENS TABULATION - (Cont.)

-25.5	45.72 *	42.76 *	45.27 *	44.17 *	38.32 *	28.24 *	15.71 *	10.74 *	5.25	1.53
-29	44.47 *	41.37 *	43.60 *	42.39 *	36.68 *	26.97 *	15.12 *	10.70 *	5.44	1.59
-33	39.91 *	36.69 *	38.30 *	36.92 *	31.85 *	23.64 *	13.74 *	10.26	5.44	1.59
-37.5	31.92 *	28.74 *	29.35 *	27.80 *	23.80 *	18.00 *	11.07 *	9.01	5.15	1.50
-42.5	21.07 *	18.41 *	18.14 *	16.72 *	14.25 *	11.17	7.50	6.85	4.26	1.24
-47.5	20.96 *	18.02 *	17.48 *	15.87 *	13.58	11.04	7.91	7.68	4.88	1.39
-55	15.06	13.10	12.88	11.86	10.33	8.55	6.20	6.03	3.80	1.05
-65	5.19	4.65	4.73	4.53	4.14	3.58	2.67	2.61	1.61	0.43
-75	1.77	1.62	1.70	1.70	1.61	1.45	1.10	1.08	0.65	0.18
-85	0.24	0.22	0.23	0.23	0.22	0.20	0.15	0.16	0.11	0.04
-90										
Total	1292.25	1207.41	1285.12	1277.43	1150.65	893.79	527.71	372.50	177.17	49.61

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.04	0.00		4.41
85				
	0.09	0.01		29.06
75				
	0.10	0.01		82.53
65				
	0.16	0.00		237.93
55				
	0.19	0.00		330.89
47.5				
	0.17	0.00		321.30
42.5				
	0.20	0.00		461.95
37.5				
	0.21	0.00		559.25
33				
	0.22	0.00		611.86
29				
	0.21	0.00		622.75
25.5				
	0.19	0.00		590.00
22.5				
	0.20	0.00		629.45
19.5				
	0.17	0.00		544.62
17				
	0.14	0.00		443.66
15				
	0.15	0.00		451.04

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LUMENS TABULATION - (Cont.)

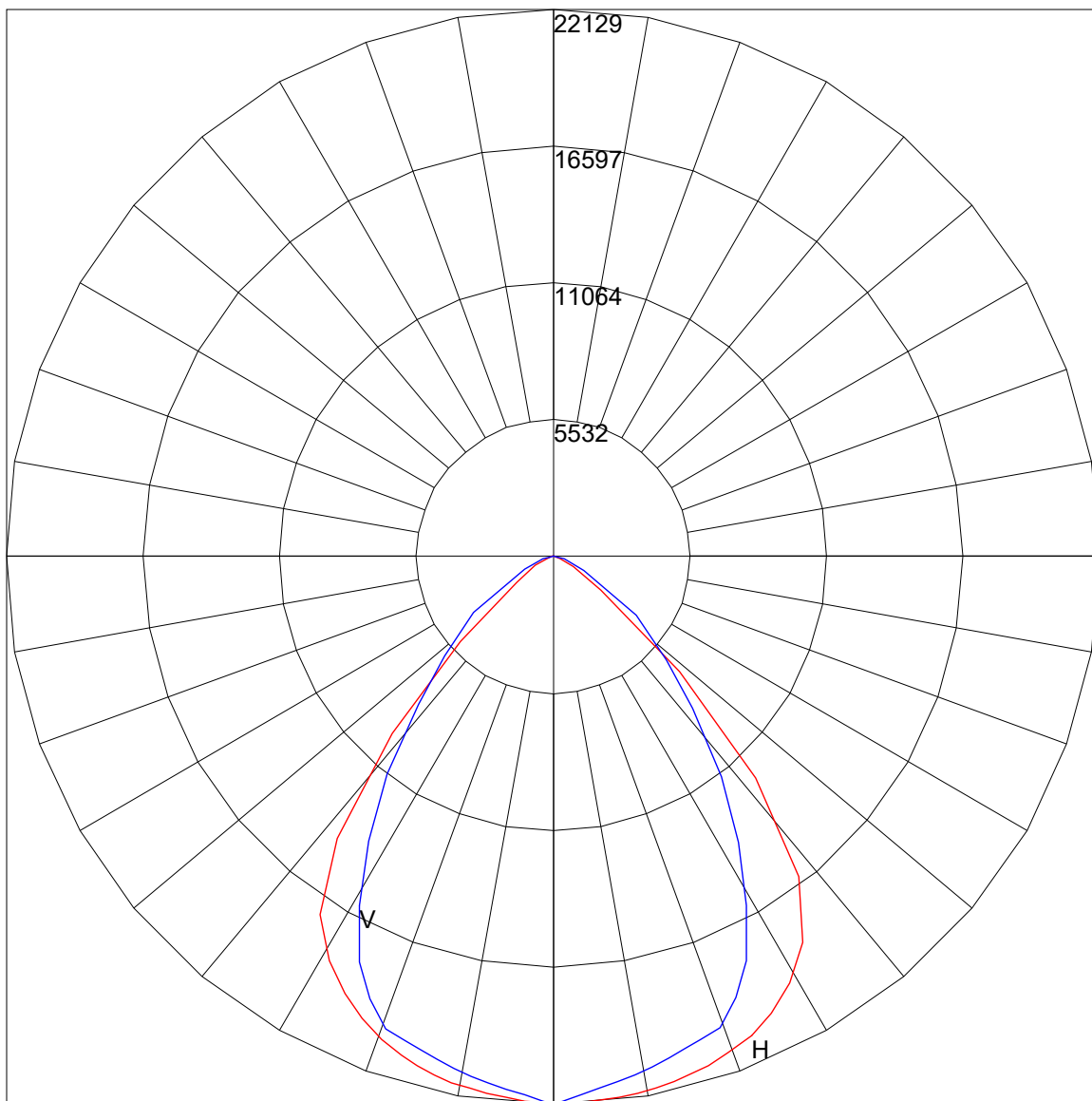
13	0.15	0.00	458.77
11	0.15	0.00	466.31
9	0.16	0.00	473.37
7	0.16	0.00	480.12
5	0.16	0.00	487.33
3	0.16	0.00	494.95
1	0.08	0.00	250.22
0	0.08	0.00	250.20
-1	0.16	0.00	494.77
-3	0.16	0.00	486.96
-5	0.16	0.00	479.56
-7	0.16	0.00	472.62
-9	0.15	0.00	465.35
-11	0.15	0.00	457.64
-13	0.15	0.00	449.75
-15	0.14	0.00	442.18
-17	0.17	0.00	542.50
-19.5	0.20	0.00	626.43
-22.5	0.18	0.00	586.35
-25.5	0.20	0.00	617.45
-29	0.20	0.00	604.24
-33	0.20	0.00	548.77
-37.5	0.18	0.00	447.88
-42.5	0.15	0.00	306.20
-47.5	0.16	0.00	312.56
-55	0.12	0.00	225.68
-65	0.06	0.00	79.05
-75	0.03	0.00	27.55

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LUMENS TABULATION - (Cont.)

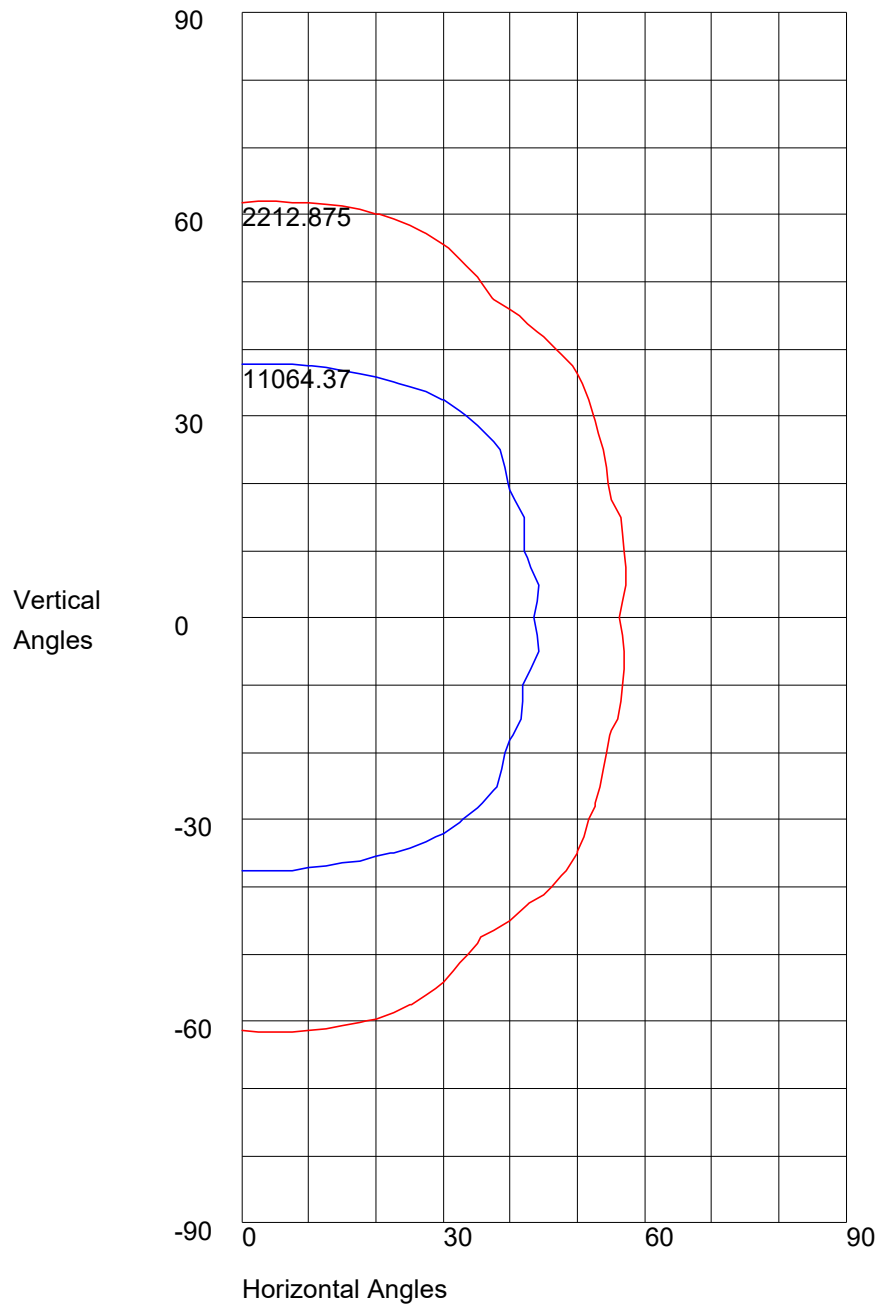
-85	0.01	0.00	3.73
-90			
Total	6.63	0.08	17959.2

AXIAL CANDELA DISPLAY



Maximum Candela = 22128.744 Located At Horizontal Angle = 1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 22128.744 Located At Horizontal Angle = 1, Vertical Angle = 0
50% Maximum Candela = 11064.372
10% Maximum Candela = 2212.8744