



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [210W, 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 [210W, 5000K]

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

CHARACTERISTICS

NEMA Type	6 H x 6 V
Maximum Candela	17673.671
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	28882.58 (1 lamp)
Total Lamp Lumens	28882.58
Beam Lumens	20744
Beam Efficiency	72 %
Field Lumens	27173
Field Efficiency	94 %
Spill Lumens	1514
Luminaire Lumens	28687
Total Efficiency	99 %
Total Luminaire Watts	218.2
Ballast Factor	1.00

IES FLOOD REPORT**PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [210W, 5000K].IES****AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	3.134	90	7.743
85	9.491	85	121.008
75	246.509	75	348.312
65	721.388	65	1068.906
55	1897.956	55	3269.291
47.5	5518.206	47.5	4943.348
42.5	9696.401	42.5	6651.083
37.5	13027.31	37.5	8960.366
33	14844.972	33	11028.765
29	15763.361	29	12892.015
25.5	16356.749	25.5	14480.998
22.5	16723.663	22.5	15398.653
19.5	16993.518	19.5	16125.864
17	17174.402	17	16307.483
15	17294.991	15	16453.073
13	17402.345	13	16622.927
11	17475.875	11	16792.782
9	17531.758	9	16950.136
7	17581.023	7	17095.725
5	17632.494	5	17240.579
3	17669.259	3	17411.169
1	17673.671	1	17581.758
0	17666.318	0	17666.318
-1	17651.612	-1	17584.7
-3	17610.435	-3	17420.728
-5	17543.523	-5	17257.491
-7	17469.993	-7	17118.519
-9	17386.904	-9	16979.548
-11	17296.462	-11	16828.811
-13	17168.52	-13	16665.575
-15	17011.166	-15	16502.338
-17	16842.047	-17	16363.366
-19.5	16561.162	-19.5	16189.1
-22.5	16136.894	-22.5	15451.594
-25.5	15625.86	-25.5	14515.557
-29	14919.237	-29	12881.721
-33	13802.316	-33	10966.264
-37.5	11501.563	-37.5	8840.512
-42.5	7730.209	-42.5	6466.522
-47.5	4046.724	-47.5	4747.391
-55	1420.526	-55	3135.393
-65	644.99	-65	1017.361
-75	225.222	-75	326.356
-85	7.832	-85	111.06
-90	3.712	-90	3.617

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 14343.55

Total Field Lumens (one side of beam only) = 13586.53

* 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	0.10	0.19	0.19	0.19	0.18	0.18	0.17	0.16	0.15	0.18
75	0.71	1.41	1.40	1.36	1.32	1.27	1.21	1.15	1.10	1.29
65	2.16	4.30	4.25	4.16	4.04	3.89	3.72	3.55	3.35	3.91
55	6.60 *	13.17 *	13.02 *	12.76 *	12.41 *	11.97 *	11.47 *	10.89 *	10.25 *	11.84 *
47.5	9.37 *	18.69 *	18.47 *	18.10 *	17.62 *	17.02 *	16.30 *	15.46 *	14.53 *	16.73 *
42.5	8.83 *	17.63 *	17.45 *	17.11 *	16.71 *	16.21 *	15.62 *	14.95 *	14.12 *	16.36 *
37.5	11.89 *	23.74 *	23.55 *	23.23 *	22.81 *	22.25 *	21.64 *	20.92 *	20.04 *	23.69 *
33	13.70 *	27.35 *	27.17 *	26.91 *	26.55 *	26.07 *	25.47 *	24.76 *	23.98 *	28.74 *
29	14.58 *	29.10 *	28.94 *	28.69 *	28.37 *	27.97 *	27.44 *	26.81 *	26.09 *	31.46 *
25.5	14.60 *	29.15 *	29.00 *	28.78 *	28.47 *	28.10 *	27.66 *	27.11 *	26.47 *	32.04 *
22.5	13.66 *	27.27 *	27.15 *	26.96 *	26.69 *	26.37 *	25.98 *	25.51 *	24.96 *	30.29 *
19.5	14.40 *	28.77 *	28.65 *	28.46 *	28.20 *	27.88 *	27.49 *	27.02 *	26.48 *	32.19 *
17	12.35 *	24.66 *	24.56 *	24.40 *	24.19 *	23.92 *	23.60 *	23.21 *	22.76 *	27.68 *
15	9.98 *	19.93 *	19.85 *	19.72 *	19.55 *	19.33 *	19.08 *	18.77 *	18.41 *	22.39 *
13	10.07 *	20.12 *	20.04 *	19.91 *	19.74 *	19.53 *	19.27 *	18.97 *	18.60 *	22.64 *
11	10.18 *	20.33 *	20.25 *	20.12 *	19.95 *	19.73 *	19.48 *	19.18 *	18.82 *	22.92 *
9	10.28 *	20.53 *	20.45 *	20.32 *	20.14 *	19.94 *	19.68 *	19.38 *	19.03 *	23.19 *
7	10.37 *	20.71 *	20.63 *	20.50 *	20.33 *	20.12 *	19.87 *	19.57 *	19.21 *	23.42 *
5	10.46 *	20.89 *	20.81 *	20.69 *	20.51 *	20.30 *	20.05 *	19.74 *	19.39 *	23.63 *
3	10.56 *	21.08 *	21.00 *	20.88 *	20.71 *	20.49 *	20.24 *	19.93 *	19.58 *	23.88 *
1	10.66 *	21.29 *	21.21 *	21.08 *	20.91 *	20.70 *	20.45 *	20.15 *	19.79 *	24.16 *
0	5.37 *	10.72 *	10.68 *	10.61 *	10.53 *	10.43 *	10.30 *	10.15 *	9.98 *	12.18 *
-1	5.37 *	10.72 *	10.68 *	10.61 *	10.53 *	10.43 *	10.31 *	10.15 *	9.98 *	12.18 *
-3	10.66 *	21.29 *	21.21 *	21.08 *	20.91 *	20.71 *	20.46 *	20.15 *	19.79 *	24.16 *
	10.56 *	21.10 *	21.02 *	20.89 *	20.72 *	20.51 *	20.25 *	19.94 *	19.58 *	23.88 *

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LUMENS TABULATION - (Cont.)

-5	10.47 *	20.91 *	20.83 *	20.71 *	20.54 *	20.32 *	20.06 *	19.76 *	19.39 *	23.64 *
-7	10.39 *	20.74 *	20.66 *	20.53 *	20.36 *	20.15 *	19.89 *	19.58 *	19.22 *	23.43 *
-9	10.30 *	20.57 *	20.48 *	20.35 *	20.18 *	19.97 *	19.71 *	19.41 *	19.04 *	23.20 *
-11	10.20 *	20.37 *	20.29 *	20.16 *	19.99 *	19.78 *	19.52 *	19.20 *	18.84 *	22.93 *
-13	10.10 *	20.17 *	20.09 *	19.96 *	19.79 *	19.58 *	19.32 *	19.00 *	18.62 *	22.65 *
-15	10.01 *	19.99 *	19.90 *	19.78 *	19.61 *	19.39 *	19.13 *	18.81 *	18.43 *	22.41 *
-17	12.39 *	24.75 *	24.64 *	24.48 *	24.26 *	24.00 *	23.66 *	23.26 *	22.79 *	27.70 *
-19.5	14.46 *	28.87 *	28.74 *	28.55 *	28.29 *	27.96 *	27.56 *	27.07 *	26.50 *	32.20 *
-22.5	13.69 *	27.34 *	27.21 *	27.02 *	26.76 *	26.43 *	26.03 *	25.53 *	24.96 *	30.26 *
-25.5	14.61 *	29.17 *	29.01 *	28.78 *	28.48 *	28.10 *	27.64 *	27.07 *	26.40 *	31.93 *
-29	14.53 *	29.01 *	28.83 *	28.58 *	28.25 *	27.84 *	27.30 *	26.65 *	25.91 *	31.21 *
-33	13.58 *	27.09 *	26.90 *	26.63 *	26.27 *	25.78 *	25.16 *	24.43 *	23.63 *	28.30 *
-37.5	11.66 *	23.27 *	23.07 *	22.74 *	22.30 *	21.74 *	21.11 *	20.37 *	19.48 *	23.00 *
-42.5	8.54 *	17.04 *	16.85 *	16.51 *	16.09 *	15.57 *	14.98 *	14.30 *	13.47 *	15.56 *
-47.5	9.00 *	17.93 *	17.71 *	17.32 *	16.83 *	16.22 *	15.49 *	14.65 *	13.72 *	15.74 *
-55	6.32 *	12.61 *	12.46 *	12.20 *	11.87 *	11.44 *	10.94 *	10.37 *	9.74 *	11.23 *
-65	2.05	4.08	4.05	3.97	3.87	3.74	3.59	3.43	3.25	3.80
-75	0.67	1.32	1.31	1.29	1.25	1.22	1.17	1.12	1.07	1.27
-85	0.09	0.17	0.17	0.17	0.17	0.16	0.16	0.15	0.14	0.17
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	420.50	839.55	834.85	827.24	817.24	804.72	789.64	771.77	751.02	905.68

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.21	0.19	0.20	0.21	0.21	0.20	0.16	0.18	0.15	0.08
85	1.43	1.31	1.37	1.38	1.32	1.22	0.96	0.99	0.68	0.25
75	4.26	3.81	3.88	3.71	3.40	2.98	2.26	2.27	1.47	0.45
65	12.71	11.09	10.94	10.09	8.78	7.27	5.27	5.13	3.28	0.95
55	17.86 *	15.42 *	15.04 *	13.70 *	11.72	9.50	6.75	6.49	4.13	1.21
47.5	17.75 *	15.57 *	15.40 *	14.24 *	12.17 *	9.55 *	6.38	5.79	3.58	1.06

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LUMENS TABULATION - (Cont.)

42.5	26.30 *	23.73 *	24.30 *	23.11 *	19.90 *	15.15 *	9.37 *	7.60	4.31	1.26
37.5	32.40 *	29.83 *	31.22 *	30.25 *	26.30 *	19.72 *	11.57 *	8.64	4.53	1.32
33	35.83 *	33.38 *	35.27 *	34.49 *	30.12 *	22.40 *	12.71 *	9.01 *	4.53	1.32
29	36.67 *	34.34 *	36.47 *	35.80 *	31.36 *	23.38 *	13.17 *	9.04 *	4.36	1.26
25.5	34.75 *	32.68 *	34.88 *	34.43 *	30.29 *	22.64 *	12.76 *	8.62 *	4.03	1.15
22.5	37.03 *	34.97 *	37.47 *	37.17 *	33.00 *	24.72 *	13.85 *	9.34 *	4.27	1.20
19.5	31.89 *	30.17 *	32.42 *	32.35 *	29.02 *	22.02 *	12.45 *	8.37 *	3.76	1.04
17	25.80 *	24.43 *	26.34 *	26.47 *	23.95 *	18.49 *	10.64 *	7.10 *	3.14	0.85
15	26.11 *	24.74 *	26.75 *	27.02 *	24.65 *	19.27 *	11.16 *	7.41 *	3.24	0.87
13	26.46 *	25.11 *	27.22 *	27.67 *	25.45 *	19.98 *	11.58 *	7.66 *	3.31	0.88
11	26.79 *	25.46 *	27.66 *	28.28 *	26.21 *	20.67 *	12.04 *	7.97 *	3.38	0.90
9	27.07 *	25.76 *	28.05 *	28.75 *	26.84 *	21.41 *	12.62 *	8.35 *	3.45	0.91
7	27.34 *	26.03 *	28.40 *	29.22 *	27.44 *	22.13 *	13.19 *	8.69 *	3.50	0.93
5	27.64 *	26.34 *	28.80 *	29.75 *	28.11 *	22.89 *	13.74 *	8.98 *	3.55	0.94
3	27.98 *	26.70 *	29.25 *	30.35 *	28.92 *	23.71 *	14.21 *	9.15 *	3.57	0.95
1	14.12 *	13.49 *	14.79 *	15.42 *	14.78 *	12.14 *	7.22 *	4.60 *	1.78	0.48
0	14.12 *	13.49 *	14.79 *	15.41 *	14.78 *	12.14 *	7.22 *	4.59 *	1.78	0.48
-1	27.98 *	26.70 *	29.24 *	30.33 *	28.88 *	23.67 *	14.17 *	9.12 *	3.56	0.95
-3	27.64 *	26.33 *	28.78 *	29.70 *	28.03 *	22.79 *	13.67 *	8.93 *	3.53	0.94
-5	27.34 *	26.02 *	28.37 *	29.14 *	27.32 *	21.98 *	13.07 *	8.61 *	3.48	0.92
-7	27.07 *	25.75 *	28.00 *	28.65 *	26.67 *	21.21 *	12.47 *	8.24 *	3.41	0.90
-9	26.79 *	25.45 *	27.61 *	28.16 *	26.01 *	20.43 *	11.85 *	7.82 *	3.33	0.89
-11	26.46 *	25.09 *	27.16 *	27.52 *	25.21 *	19.70 *	11.35 *	7.49 *	3.26	0.87
-13	26.11 *	24.72 *	26.68 *	26.85 *	24.37 *	18.94 *	10.90 *	7.21 *	3.18	0.85
-15	25.80 *	24.41 *	26.26 *	26.27 *	23.62 *	18.11 *	10.34 *	6.88 *	3.07	0.84
-17	31.90 *	30.14 *	32.31 *	32.07 *	28.56 *	21.47 *	12.03 *	8.07 *	3.66	1.02
-19.5	37.02 *	34.91 *	37.30 *	36.79 *	32.38 *	24.00 *	13.30 *	8.94 *	4.14	1.18
-22.5	34.70 *	32.58 *	34.67 *	34.01 *	29.64 *	21.90 *	12.19 *	8.21 *	3.89	1.12

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LUMENS TABULATION - (Cont.)

-25.5	36.52 *	34.15 *	36.15 *	35.28 *	30.61 *	22.55 *	12.54 *	8.58 *	4.19	1.22
-29	35.52 *	33.04 *	34.82 *	33.85 *	29.29 *	21.54 *	12.08 *	8.54 *	4.35	1.27
-33	31.87 *	29.31 *	30.59 *	29.49 *	25.44 *	18.88 *	10.98 *	8.19	4.34	1.27
-37.5	25.49 *	22.95 *	23.44 *	22.20 *	19.01 *	14.38 *	8.85 *	7.20	4.11	1.20
-42.5	16.83 *	14.71 *	14.49 *	13.35 *	11.38 *	8.92	5.99	5.47	3.40	0.99
-47.5	16.74 *	14.39 *	13.96 *	12.68 *	10.85	8.82	6.32	6.13	3.90	1.11
-55	12.03	10.46	10.29	9.48	8.25	6.83	4.95	4.82	3.04	0.84
-65	4.14	3.71	3.78	3.62	3.30	2.86	2.13	2.09	1.28	0.34
-75	1.42	1.29	1.36	1.35	1.29	1.16	0.88	0.86	0.52	0.15
-85	0.19	0.17	0.18	0.18	0.18	0.16	0.12	0.13	0.08	0.03
-90										
Total	1032.09	964.32	1026.39	1020.25	919.00	713.85	421.47	297.51	141.50	39.63

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.03	0.00		3.53
85	0.07	0.00		23.21
75	0.08	0.00		65.91
65	0.13	0.00		190.03
55	0.15	0.00		264.27
47.5	0.13	0.00		256.61
42.5	0.16	0.00		368.95
37.5	0.17	0.00		446.66
33	0.17	0.00		488.68
29	0.17	0.00		497.38
25.5	0.15	0.00		471.22
22.5	0.16	0.00		502.73
19.5	0.14	0.00		434.97
17	0.12	0.00		354.34
15	0.12	0.00		360.23

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LUMENS TABULATION - (Cont.)

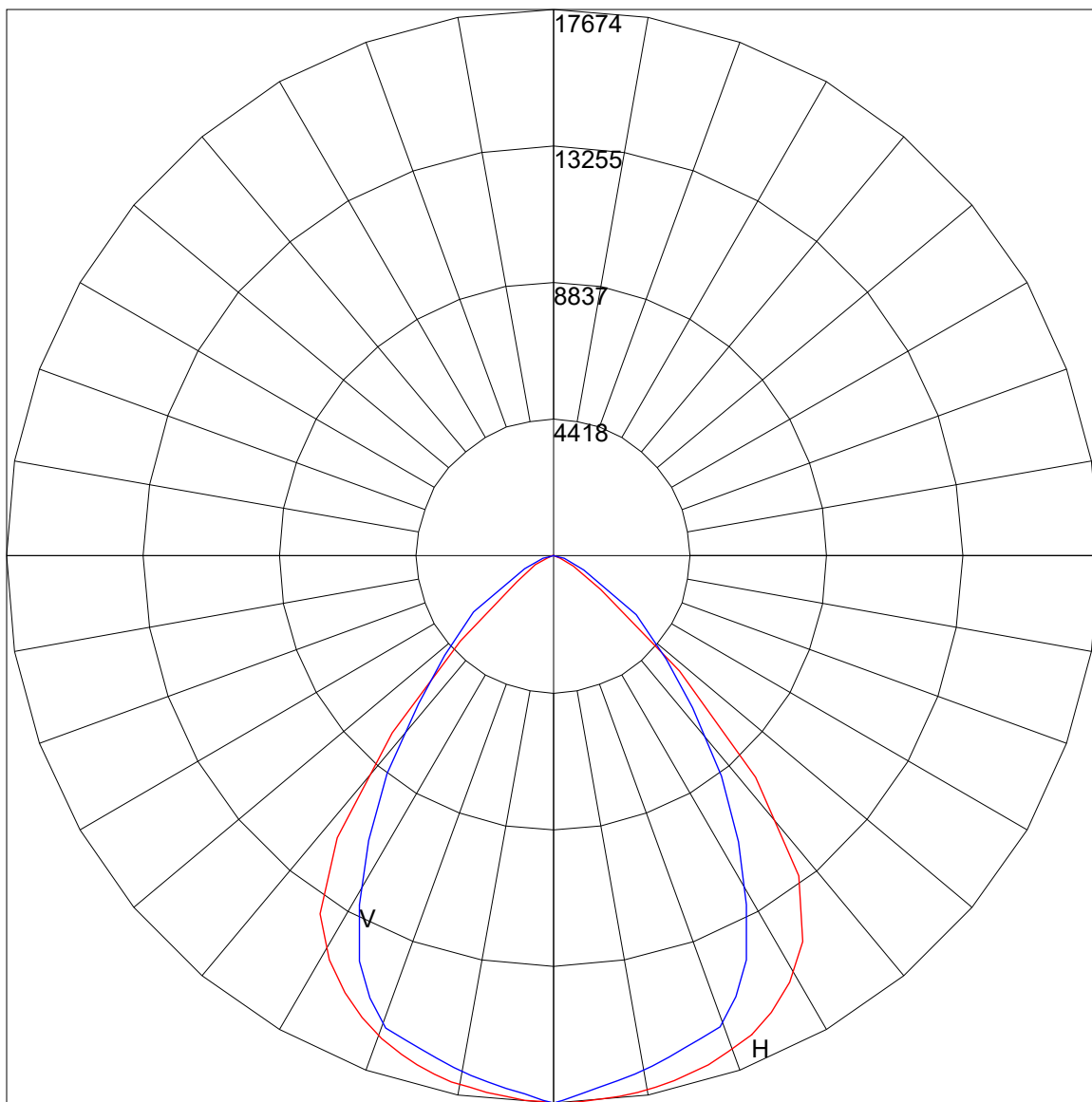
13			
	0.12	0.00	366.41
11			
	0.12	0.00	372.43
9			
	0.13	0.00	378.07
7			
	0.13	0.00	383.46
5			
	0.13	0.00	389.22
3			
	0.13	0.00	395.30
1			
	0.06	0.00	199.84
0			
	0.06	0.00	199.83
-1			
	0.13	0.00	395.16
-3			
	0.13	0.00	388.93
-5			
	0.13	0.00	383.01
-7			
	0.12	0.00	377.47
-9			
	0.12	0.00	371.66
-11			
	0.12	0.00	365.51
-13			
	0.12	0.00	359.21
-15			
	0.11	0.00	353.16
-17			
	0.14	0.00	433.28
-19.5			
	0.16	0.00	500.31
-22.5			
	0.15	0.00	468.30
-25.5			
	0.16	0.00	493.14
-29			
	0.16	0.00	482.59
-33			
	0.16	0.00	438.29
-37.5			
	0.14	0.00	357.71
-42.5			
	0.12	0.00	244.55
-47.5			
	0.13	0.00	249.63
-55			
	0.09	0.00	180.25
-65			
	0.05	0.00	63.13
-75			
	0.03	0.00	22.00

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LUMENS TABULATION - (Cont.)

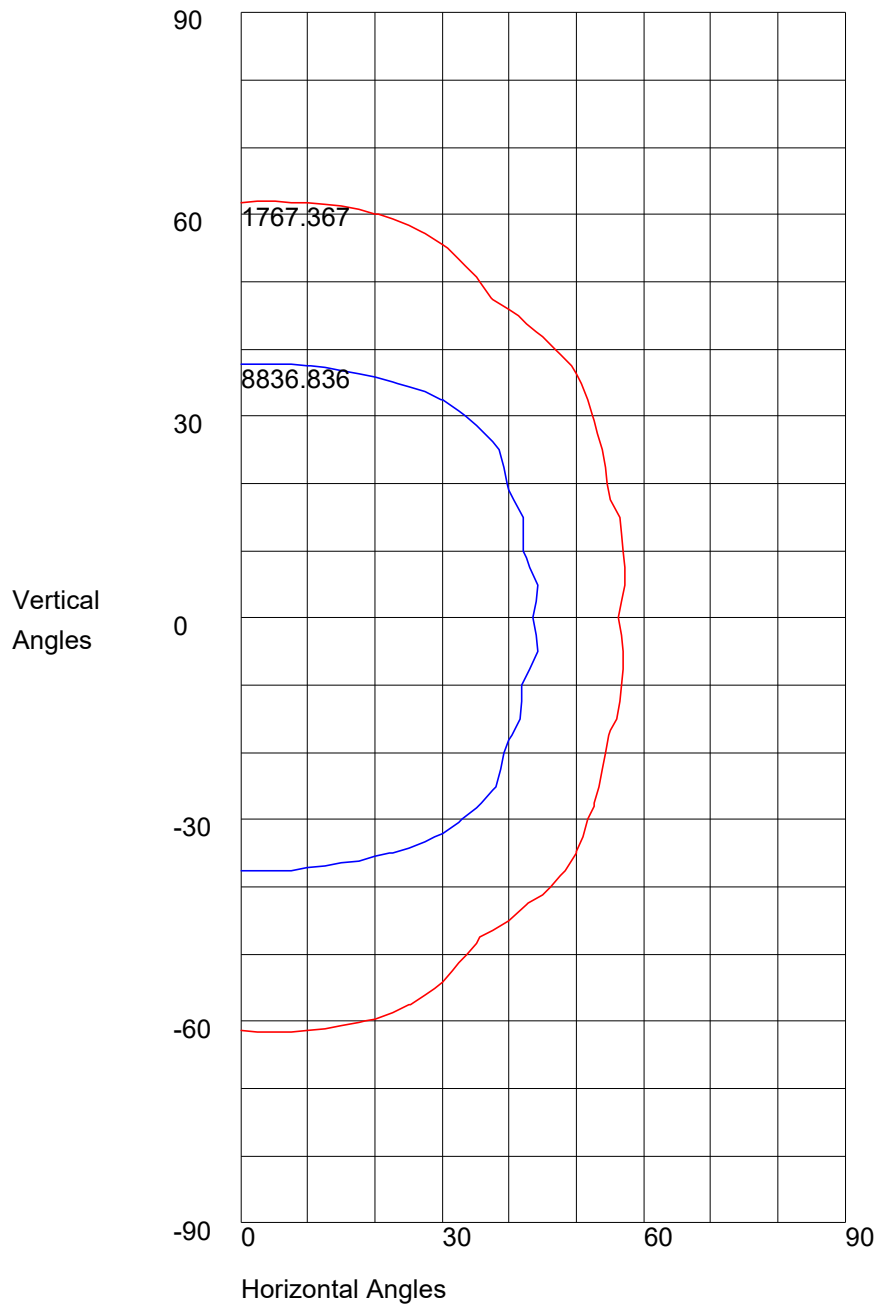
-85	0.01	0.00	2.98
-90			
Total	5.30	0.06	14343.56

AXIAL CANDELA DISPLAY



Maximum Candela = 17673.671 Located At Horizontal Angle = 1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 17673.671 Located At Horizontal Angle = 1, Vertical Angle = 0
50% Maximum Candela = 8836.8355
10% Maximum Candela = 1767.3671