



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL140 55 UV 8SEL [100W, 4000K].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, 4000K]

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

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	14176.883
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	16465.29 (1 lamp)
Total Lamp Lumens	16465.29
Beam Lumens	11549
Beam Efficiency	70 %
Field Lumens	15109
Field Efficiency	92 %
Spill Lumens	1245
Luminaire Lumens	16354
Total Efficiency	99 %
Total Luminaire Watts	102.6
Ballast Factor	1.00

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DEG.	HOR.	DEG.	VERT.
90	1.584	90	6.883
85	4.413	85	36.057
75	109.134	75	94.942
65	365.528	65	251.234
55	558.438	55	699.781
47.5	932.509	47.5	1036.972
42.5	2119.302	42.5	2292.434
37.5	4381.788	37.5	4579.573
33	7234.39	33	6637.24
29	10074.982	29	8466.936
25.5	11819.732	25.5	10067.871
22.5	12754.532	22.5	11019.265
19.5	13363.773	19.5	11802.348
17	13698.815	17	12106.573
15	13875.819	15	12349.953
13	14000.67	13	12591.752
11	14081.269	11	12834.342
9	14133.422	9	13076.932
7	14159.499	7	13319.522
5	14172.142	5	13561.321
3	14175.303	3	13804.701
1	14170.561	1	14047.291
0	14168.981	0	14168.981
-1	14167.401	-1	14079.689
-3	14168.981	-3	13901.105
-5	14173.722	-5	13723.311
-7	14176.883	-7	13545.517
-9	14172.142	-9	13368.514
-11	14158.708	-11	13190.72
-13	14124.73	-13	13012.136
-15	14061.515	-15	12833.552
-17	13962.74	-17	12656.548
-19.5	13758.87	-19.5	12434.504
-22.5	13352.71	-22.5	11682.238
-25.5	12673.142	-25.5	10734.795
-29	11306.896	-29	9065.904
-33	8621.024	-33	7156.635
-37.5	5198.77	-37.5	5008.728
-42.5	2372.876	-42.5	2622.972
-47.5	969.648	-47.5	1289.835
-55	539.371	-55	870.557
-65	354.987	-65	310.578
-75	105.949	-75	114.223
-85	3.964	-85	39.071
-90	1.759	-90	1.569

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 8177.1

Total Field Lumens (one side of beam only) = 7554.69

* 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	0.06	0.06	0.06	0.07
75	0.20	0.39	0.39	0.38	0.37	0.35	0.34	0.33	0.31	0.37
65	0.53	1.04	1.03	1.00	0.97	0.93	0.89	0.85	0.81	0.96
55	1.45	2.87	2.83	2.75	2.66	2.55	2.43	2.30	2.17	2.53
47.5	1.98	3.94	3.87	3.76	3.64	3.48	3.32	3.13	2.95	3.42
42.5	2.54 *	5.08 *	5.02 *	4.89 *	4.76 *	4.61 *	4.46 *	4.28 *	4.03	4.64
37.5	5.24 *	10.48 *	10.39 *	10.25 *	10.06 *	9.80 *	9.53 *	9.19 *	8.73 *	10.18 *
33	7.69 *	15.36 *	15.25 *	15.11 *	14.90 *	14.60 *	14.19 *	13.66 *	13.05 *	15.26 *
29	9.21 *	18.38 *	18.27 *	18.09 *	17.86 *	17.54 *	17.08 *	16.49 *	15.75 *	18.39 *
25.5	9.89 *	19.74 *	19.63 *	19.45 *	19.19 *	18.83 *	18.37 *	17.76 *	16.98 *	19.85 *
22.5	9.64 *	19.25 *	19.15 *	18.99 *	18.74 *	18.41 *	17.97 *	17.39 *	16.66 *	19.51 *
19.5	10.43 *	20.83 *	20.73 *	20.57 *	20.32 *	19.98 *	19.53 *	18.93 *	18.19 *	21.37 *
17	9.10 *	18.18 *	18.10 *	17.97 *	17.77 *	17.50 *	17.13 *	16.65 *	16.04 *	18.94 *
15	7.45 *	14.88 *	14.82 *	14.72 *	14.57 *	14.37 *	14.09 *	13.74 *	13.28 *	15.74 *
13	7.60 *	15.18 *	15.12 *	15.03 *	14.89 *	14.69 *	14.43 *	14.09 *	13.65 *	16.25 *
11	7.75 *	15.48 *	15.43 *	15.34 *	15.20 *	15.02 *	14.77 *	14.44 *	14.02 *	16.76 *
9	7.89 *	15.77 *	15.73 *	15.64 *	15.52 *	15.34 *	15.10 *	14.80 *	14.40 *	17.27 *
7	8.04 *	16.07 *	16.03 *	15.95 *	15.83 *	15.67 *	15.45 *	15.15 *	14.78 *	17.78 *
5	8.19 *	16.37 *	16.33 *	16.26 *	16.15 *	16.00 *	15.79 *	15.51 *	15.16 *	18.30 *
3	8.34 *	16.66 *	16.63 *	16.57 *	16.46 *	16.32 *	16.13 *	15.87 *	15.53 *	18.81 *
1	8.48 *	16.96 *	16.93 *	16.87 *	16.77 *	16.64 *	16.46 *	16.22 *	15.91 *	19.31 *
0	4.30 *	8.59 *	8.58 *	8.55 *	8.50 *	8.44 *	8.36 *	8.24 *	8.09 *	9.84 *
-1	4.30 *	8.60 *	8.59 *	8.56 *	8.51 *	8.45 *	8.37 *	8.25 *	8.11 *	9.86 *
-3	8.52 *	17.04 *	17.01 *	16.95 *	16.85 *	16.72 *	16.54 *	16.30 *	16.00 *	19.42 *
	8.42 *	16.82 *	16.79 *	16.72 *	16.62 *	16.48 *	16.29 *	16.04 *	15.71 *	19.03 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-5	8.31 *	16.61 *	16.57 *	16.50 *	16.39 *	16.24 *	16.04 *	15.77 *	15.42 *	18.63 *
-7	8.20 *	16.39 *	16.34 *	16.27 *	16.15 *	15.99 *	15.78 *	15.49 *	15.13 *	18.23 *
-9	8.09 *	16.17 *	16.12 *	16.04 *	15.92 *	15.75 *	15.52 *	15.22 *	14.83 *	17.82 *
-11	7.98 *	15.95 *	15.90 *	15.82 *	15.69 *	15.51 *	15.27 *	14.95 *	14.54 *	17.43 *
-13	7.87 *	15.73 *	15.68 *	15.59 *	15.45 *	15.27 *	15.01 *	14.69 *	14.27 *	17.04 *
-15	7.76 *	15.51 *	15.46 *	15.36 *	15.22 *	15.02 *	14.76 *	14.42 *	13.98 *	16.64 *
-17	9.55 *	19.08 *	19.01 *	18.88 *	18.69 *	18.43 *	18.08 *	17.62 *	17.03 *	20.21 *
-19.5	11.02 *	22.01 *	21.92 *	21.76 *	21.53 *	21.20 *	20.77 *	20.20 *	19.48 *	23.03 *
-22.5	10.25 *	20.47 *	20.37 *	20.21 *	19.98 *	19.66 *	19.23 *	18.68 *	17.98 *	21.20 *
-25.5	10.56 *	21.09 *	20.98 *	20.80 *	20.55 *	20.20 *	19.76 *	19.16 *	18.40 *	21.66 *
-29	9.89 *	19.75 *	19.63 *	19.45 *	19.21 *	18.89 *	18.43 *	17.83 *	17.10 *	20.09 *
-33	8.34 *	16.65 *	16.54 *	16.39 *	16.16 *	15.84 *	15.40 *	14.85 *	14.23 *	16.72 *
-37.5	5.82 *	11.63 *	11.53 *	11.35 *	11.12 *	10.82 *	10.50 *	10.12 *	9.61 *	11.23 *
-42.5	2.98 *	5.96 *	5.88 *	5.71 *	5.53 *	5.32 *	5.11 *	4.87 *	4.55 *	5.21
-47.5	2.46	4.89	4.80	4.64	4.45	4.23	3.98	3.72	3.45	3.94
-55	1.80	3.57	3.50	3.40	3.27	3.11	2.94	2.76	2.58	2.97
-65	0.65	1.28	1.27	1.24	1.19	1.15	1.10	1.05	1.00	1.17
-75	0.23	0.46	0.46	0.45	0.43	0.42	0.41	0.39	0.38	0.45
-85	0.03	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.06
-90										
Total	279.01	557.30	554.68	550.35	544.19	535.92	525.20	511.51	494.37	587.63

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.08	0.07	0.08	0.08	0.08	0.08	0.07	0.08	0.07	0.04
85	0.43	0.40	0.44	0.45	0.45	0.41	0.32	0.34	0.25	0.11
75	1.07	0.99	1.06	1.07	1.04	0.95	0.75	0.80	0.55	0.18
65	2.78	2.51	2.61	2.58	2.47	2.28	1.84	2.01	1.39	0.40
55	3.73	3.34	3.43	3.37	3.20	2.96	2.42	2.67	1.85	0.52
47.5	5.02	4.37	4.23	3.82	3.27	2.74	2.12	2.31	1.62	0.47

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LUMENS TABULATION - (Cont.)

42.5	10.93 *	9.23 *	8.54 *	7.11	5.35	3.82	2.59	2.68	1.89	0.57
37.5	16.32 *	13.69 *	12.46 *	10.03 *	7.10 *	4.56	2.76	2.71	1.92	0.61
33	19.70 *	16.53 *	14.92 *	11.83 *	8.14 *	4.95	2.79	2.64	1.88	0.61
29	21.25 *	17.79 *	16.00 *	12.59 *	8.54 *	5.03	2.70	2.49	1.78	0.59
25.5	20.91 *	17.58 *	15.92 *	12.58 *	8.49 *	4.91 *	2.55	2.27	1.62	0.54
22.5	23.07 *	19.61 *	18.00 *	14.42 *	9.84 *	5.65 *	2.79	2.39	1.69	0.57
19.5	20.62 *	17.76 *	16.58 *	13.52 *	9.35 *	5.34 *	2.55	2.08	1.46	0.50
17	17.27 *	15.07 *	14.30 *	11.85 *	8.27 *	4.75 *	2.23	1.73	1.19	0.41
15	17.95 *	15.82 *	15.24 *	12.82 *	9.02 *	5.20 *	2.40	1.78	1.22	0.42
13	18.63 *	16.58 *	16.18 *	13.81 *	9.80 *	5.62 *	2.54	1.83	1.24	0.43
11	19.31 *	17.34 *	17.10 *	14.77 *	10.58 *	6.04 *	2.68	1.89	1.27	0.44
9	20.00 *	18.11 *	18.04 *	15.68 *	11.30 *	6.49 *	2.84	1.94	1.29	0.45
7	20.69 *	18.88 *	18.97 *	16.61 *	12.01 *	6.92 *	2.99 *	2.00	1.32	0.46
5	21.37 *	19.63 *	19.90 *	17.55 *	12.74 *	7.36 *	3.17 *	2.06	1.34	0.47
3	22.05 *	20.39 *	20.84 *	18.52 *	13.51 *	7.82 *	3.33 *	2.11	1.37	0.48
1	11.27 *	10.47 *	10.76 *	9.62 *	7.04 *	4.06 *	1.71 *	1.07	0.69	0.24
0	11.29 *	10.49 *	10.78 *	9.63 *	7.05 *	4.06 *	1.71 *	1.07	0.69	0.24
-1	22.18 *	20.52 *	20.97 *	18.63 *	13.58 *	7.85 *	3.34 *	2.12	1.37	0.48
-3	21.65 *	19.90 *	20.17 *	17.77 *	12.89 *	7.44 *	3.20 *	2.07	1.35	0.48
-5	21.11 *	19.28 *	19.38 *	16.95 *	12.24 *	7.04 *	3.03 *	2.02	1.32	0.47
-7	20.55 *	18.64 *	18.58 *	16.14 *	11.61 *	6.65 *	2.89	1.96	1.30	0.46
-9	19.99 *	18.01 *	17.78 *	15.33 *	10.97 *	6.24 *	2.74	1.91	1.28	0.45
-11	19.46 *	17.38 *	16.99 *	14.48 *	10.27 *	5.86 *	2.61	1.86	1.25	0.44
-13	18.92 *	16.77 *	16.19 *	13.60 *	9.56 *	5.47 *	2.48	1.82	1.23	0.43
-15	18.37 *	16.14 *	15.38 *	12.75 *	8.89 *	5.07 *	2.33	1.77	1.21	0.42
-17	22.18 *	19.28 *	18.11 *	14.79 *	10.22 *	5.80 *	2.70	2.14	1.48	0.51
-19.5	25.10 *	21.59 *	20.00 *	16.08 *	10.98 *	6.24 *	2.98	2.46	1.72	0.58
-22.5	22.99 *	19.59 *	17.93 *	14.24 *	9.62 *	5.49 *	2.73	2.34	1.65	0.55

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LUMENS TABULATION - (Cont.)

-25.5	23.46 *	19.92 *	18.12 *	14.35 *	9.73 *	5.64 *	2.90	2.58	1.82	0.60
-29	21.74 *	18.49 *	16.89 *	13.46 *	9.26 *	5.53	2.98	2.73	1.92	0.62
-33	18.04 *	15.31 *	14.06 *	11.35 *	8.01 *	5.03	2.92	2.80	1.97	0.62
-37.5	12.11 *	10.30 *	9.57 *	7.95 *	5.93	4.13	2.71	2.75	1.94	0.59
-42.5	5.61	4.85	4.67	4.17	3.52	2.90	2.19	2.36	1.66	0.48
-47.5	4.22	3.71	3.75	3.64	3.42	3.12	2.52	2.76	1.92	0.54
-55	3.22	2.87	2.95	2.90	2.74	2.51	2.01	2.16	1.47	0.41
-65	1.31	1.21	1.29	1.30	1.25	1.15	0.90	0.93	0.61	0.16
-75	0.51	0.49	0.53	0.54	0.54	0.49	0.38	0.38	0.24	0.07
-85	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.06	0.04	0.02
-90	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.06	0.04	0.02
Total	648.54	570.97	549.74	464.79	333.92	201.72	102.46	84.95	58.32	19.14

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.02	0.00		1.33
85	0.03	0.00		7.06
75	0.04	0.00		17.51
65	0.05	0.00		45.46
55	0.06	0.00		61.03
47.5	0.05	0.00		74.34
42.5	0.06	0.00		146.63
37.5	0.07	0.00		211.32
33	0.07	0.00		251.14
29	0.07	0.00		268.53
25.5	0.07	0.00		263.15
22.5	0.07	0.00		288.98
19.5	0.06	0.00		257.23
17	0.05	0.00		214.80
15	0.05	0.00		222.87

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LUMENS TABULATION - (Cont.)

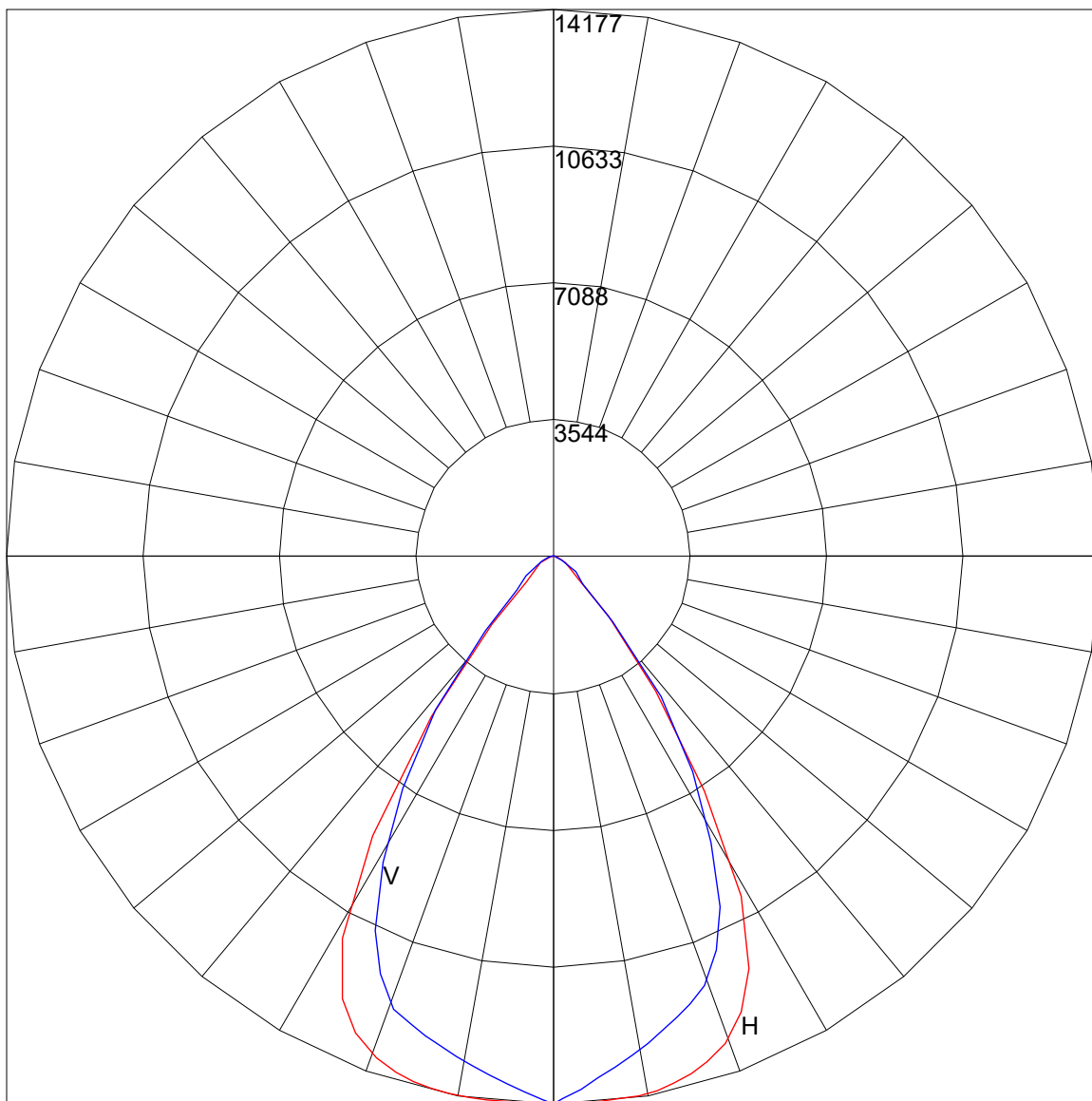
13	0.05	0.00	230.91
11	0.06	0.00	238.94
9	0.06	0.00	246.95
7	0.06	0.00	254.97
5	0.06	0.00	262.97
3	0.06	0.00	271.01
1	0.03	0.00	138.45
0	0.03	0.00	138.63
-1	0.06	0.00	272.47
-3	0.06	0.00	265.90
-5	0.06	0.00	259.35
-7	0.06	0.00	252.80
-9	0.06	0.00	246.25
-11	0.05	0.00	239.70
-13	0.05	0.00	233.12
-15	0.05	0.00	226.51
-17	0.06	0.00	273.86
-19.5	0.07	0.00	310.72
-22.5	0.07	0.00	285.22
-25.5	0.07	0.00	292.34
-29	0.07	0.00	273.96
-33	0.07	0.00	231.31
-37.5	0.07	0.00	161.79
-42.5	0.05	0.00	83.59
-47.5	0.06	0.00	70.20
-55	0.04	0.00	53.19
-65	0.02	0.00	21.22
-75	0.01	0.00	8.27

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LUMENS TABULATION - (Cont.)

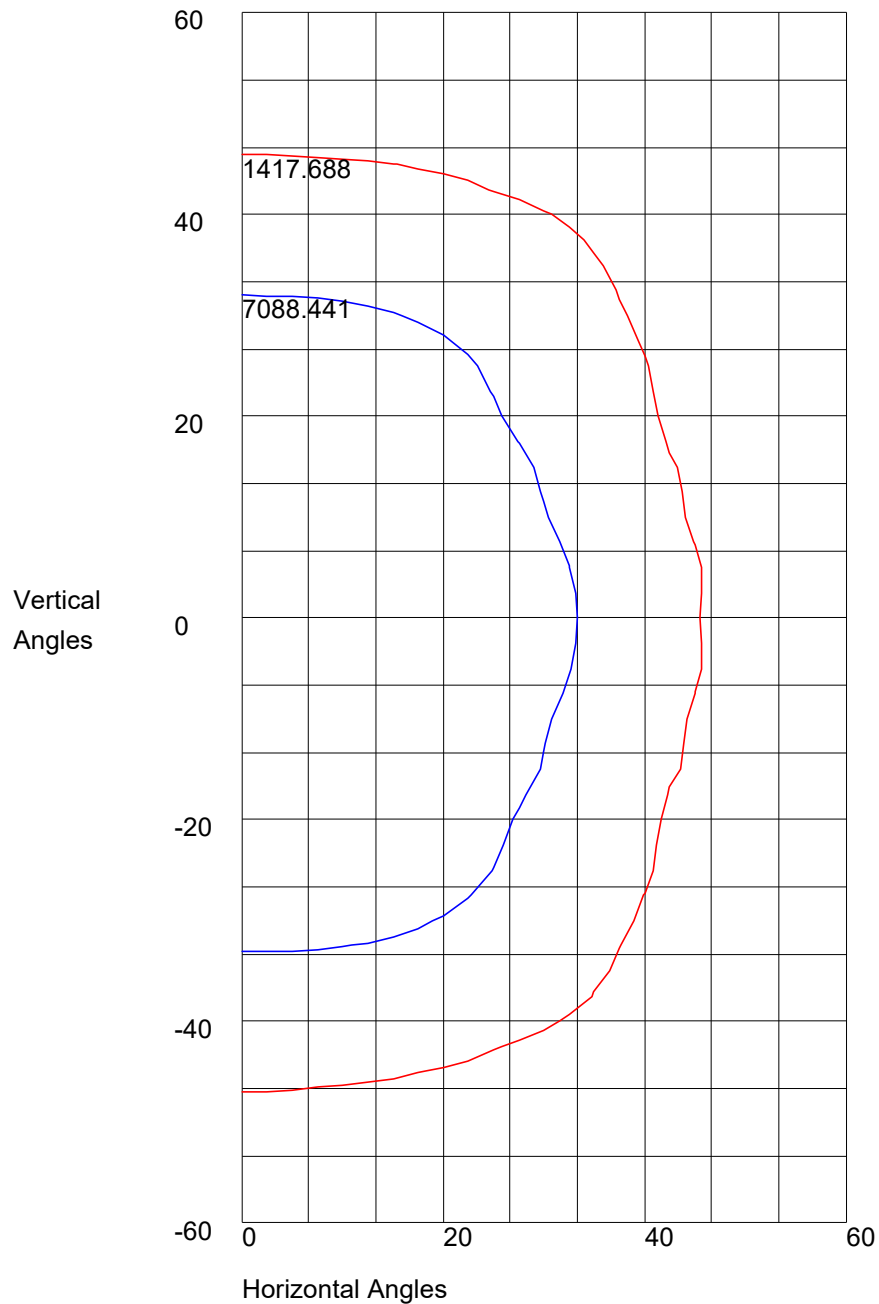
-85	0.00	0.00	1.14
-90			
Total	2.35	0.03	8177.1

AXIAL CANDELA DISPLAY



Maximum Candela = 14176.883 Located At Horizontal Angle = -7, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 14176.883 Located At Horizontal Angle = -7, Vertical Angle = 0
50% Maximum Candela = 7088.4415
10% Maximum Candela = 1417.6883