



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL140 55 UV 8SEL [140W, 5000K].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 [140W, 5000K]

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

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	17941
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	20837 (1 lamp)
Total Lamp Lumens	20837
Beam Lumens	14615
Beam Efficiency	70 %
Field Lumens	19121
Field Efficiency	92 %
Spill Lumens	1575
Luminaire Lumens	20696
Total Efficiency	99 %
Total Luminaire Watts	143.4
Ballast Factor	1.00

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DEG.	HOR.	DEG.	VERT.
90	2.004	90	8.711
85	5.585	85	45.631
75	138.11	75	120.15
65	462.58	65	317.94
55	706.71	55	885.58
47.5	1180.1	47.5	1312.3
42.5	2682	42.5	2901.1
37.5	5545.2	37.5	5795.5
33	9155.2	33	8399.5
29	12750	29	10715
25.5	14958	25.5	12741
22.5	16141	22.5	13945
19.5	16912	19.5	14936
17	17336	17	15321
15	17560	15	15629
13	17718	13	15935
11	17820	11	16242
9	17886	9	16549
7	17919	7	16856
5	17935	5	17162
3	17939	3	17470
1	17933	1	17777
0	17931	0	17931
-1	17929	-1	17818
-3	17931	-3	17592
-5	17937	-5	17367
-7	17941	-7	17142
-9	17935	-9	16918
-11	17918	-11	16693
-13	17875	-13	16467
-15	17795	-15	16241
-17	17670	-17	16017
-19.5	17412	-19.5	15736
-22.5	16898	-22.5	14784
-25.5	16038	-25.5	13585
-29	14309	-29	11473
-33	10910	-33	9056.8
-37.5	6579.1	-37.5	6338.6
-42.5	3002.9	-42.5	3319.4
-47.5	1227.1	-47.5	1632.3
-55	682.58	-55	1101.7
-65	449.24	-65	393.04
-75	134.08	-75	144.55
-85	5.016	-85	49.445
-90	2.226	-90	1.986

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 10348.22

Total Field Lumens (one side of beam only) = 9560.54

* 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	0.04	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07
75	0.25	0.50	0.49	0.48	0.46	0.45	0.43	0.41	0.40	0.47
65	0.67	1.32	1.30	1.27	1.23	1.18	1.13	1.08	1.03	1.21
55	1.83	3.64	3.58	3.48	3.36	3.22	3.07	2.91	2.75	3.20
47.5	2.51	4.98	4.90	4.76	4.60	4.41	4.20	3.97	3.73	4.33
42.5	3.21 *	6.43 *	6.35 *	6.19 *	6.03 *	5.84 *	5.64 *	5.42 *	5.10	5.87
37.5	6.63 *	13.26 *	13.15 *	12.97 *	12.73 *	12.40 *	12.06 *	11.63 *	11.05 *	12.88 *
33	9.74 *	19.43 *	19.30 *	19.12 *	18.86 *	18.48 *	17.95 *	17.29 *	16.52 *	19.31 *
29	11.65 *	23.27 *	23.12 *	22.90 *	22.61 *	22.20 *	21.62 *	20.86 *	19.93 *	23.28 *
25.5	12.51 *	24.98 *	24.84 *	24.61 *	24.28 *	23.83 *	23.25 *	22.48 *	21.49 *	25.12 *
22.5	12.20 *	24.36 *	24.24 *	24.03 *	23.72 *	23.30 *	22.74 *	22.01 *	21.09 *	24.69 *
19.5	13.20 *	26.36 *	26.24 *	26.03 *	25.71 *	25.28 *	24.71 *	23.96 *	23.02 *	27.05 *
17	11.52 *	23.01 *	22.91 *	22.74 *	22.49 *	22.15 *	21.68 *	21.07 *	20.30 *	23.97 *
15	9.43 *	18.83 *	18.76 *	18.63 *	18.44 *	18.18 *	17.83 *	17.38 *	16.80 *	19.92 *
13	9.62 *	19.21 *	19.14 *	19.02 *	18.84 *	18.60 *	18.26 *	17.83 *	17.28 *	20.57 *
11	9.80 *	19.58 *	19.52 *	19.41 *	19.24 *	19.00 *	18.69 *	18.27 *	17.75 *	21.21 *
9	9.99 *	19.96 *	19.90 *	19.80 *	19.63 *	19.41 *	19.11 *	18.72 *	18.22 *	21.85 *
7	10.18 *	20.34 *	20.28 *	20.19 *	20.03 *	19.83 *	19.55 *	19.18 *	18.70 *	22.50 *
5	10.37 *	20.72 *	20.67 *	20.58 *	20.44 *	20.24 *	19.98 *	19.63 *	19.18 *	23.16 *
3	10.55 *	21.09 *	21.04 *	20.96 *	20.83 *	20.65 *	20.41 *	20.08 *	19.66 *	23.80 *
1	10.74 *	21.46 *	21.42 *	21.35 *	21.23 *	21.06 *	20.83 *	20.53 *	20.13 *	24.44 *
0	5.44 *	10.87 *	10.85 *	10.82 *	10.76 *	10.68 *	10.57 *	10.43 *	10.24 *	12.46 *
-1	5.44 *	10.88 *	10.87 *	10.83 *	10.77 *	10.70 *	10.59 *	10.44 *	10.26 *	12.48 *
-3	10.79 *	21.56 *	21.52 *	21.45 *	21.33 *	21.16 *	20.94 *	20.63 *	20.24 *	24.58 *
	10.65 *	21.29 *	21.24 *	21.16 *	21.04 *	20.86 *	20.62 *	20.30 *	19.88 *	24.08 *

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LUMENS TABULATION - (Cont.)

-5	10.51 *	21.01 *	20.97 *	20.88 *	20.74 *	20.55 *	20.30 *	19.95 *	19.52 *	23.58 *
-7	10.38 *	20.74 *	20.68 *	20.59 *	20.44 *	20.24 *	19.97 *	19.60 *	19.14 *	23.07 *
-9	10.24 *	20.46 *	20.40 *	20.30 *	20.15 *	19.93 *	19.64 *	19.26 *	18.77 *	22.56 *
-11	10.10 *	20.18 *	20.12 *	20.02 *	19.85 *	19.62 *	19.32 *	18.92 *	18.41 *	22.06 *
-13	9.96 *	19.91 *	19.84 *	19.73 *	19.56 *	19.32 *	19.00 *	18.59 *	18.05 *	21.57 *
-15	9.83 *	19.63 *	19.56 *	19.44 *	19.26 *	19.01 *	18.68 *	18.24 *	17.69 *	21.06 *
-17	12.09 *	24.15 *	24.06 *	23.90 *	23.66 *	23.33 *	22.88 *	22.30 *	21.55 *	25.58 *
-19.5	13.95 *	27.86 *	27.74 *	27.54 *	27.24 *	26.83 *	26.28 *	25.56 *	24.65 *	29.14 *
-22.5	12.97 *	25.90 *	25.78 *	25.58 *	25.28 *	24.88 *	24.34 *	23.64 *	22.75 *	26.83 *
-25.5	13.37 *	26.69 *	26.55 *	26.32 *	26.00 *	25.57 *	25.00 *	24.24 *	23.29 *	27.41 *
-29	12.52 *	24.99 *	24.84 *	24.61 *	24.31 *	23.90 *	23.32 *	22.56 *	21.64 *	25.43 *
-33	10.56 *	21.08 *	20.93 *	20.74 *	20.45 *	20.04 *	19.49 *	18.80 *	18.01 *	21.16 *
-37.5	7.36 *	14.72 *	14.59 *	14.37 *	14.08 *	13.69 *	13.29 *	12.81 *	12.17 *	14.21 *
-42.5	3.77 *	7.55 *	7.44 *	7.23 *	7.00 *	6.74 *	6.46 *	6.16 *	5.76 *	6.60
-47.5	3.12	6.19	6.07	5.88	5.64	5.35	5.04	4.70	4.36	4.98
-55	2.27	4.51	4.43	4.30	4.13	3.94	3.72	3.50	3.26	3.76
-65	0.82	1.63	1.60	1.56	1.51	1.45	1.39	1.33	1.26	1.48
-75	0.29	0.58	0.58	0.57	0.55	0.53	0.51	0.49	0.48	0.57
-85	0.04	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.08
-90										
Total	353.09	705.27	701.96	696.48	688.67	678.21	664.64	647.32	625.63	743.66

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.10	0.09	0.10	0.11	0.11	0.10	0.08	0.10	0.09	0.05
85	0.54	0.51	0.55	0.57	0.56	0.52	0.41	0.43	0.31	0.13
75	1.35	1.25	1.34	1.35	1.31	1.21	0.96	1.02	0.70	0.23
65	3.51	3.18	3.30	3.27	3.12	2.88	2.33	2.55	1.76	0.51
55	4.71	4.22	4.34	4.26	4.05	3.75	3.06	3.38	2.34	0.66
47.5	6.36	5.53	5.36	4.83	4.14	3.47	2.69	2.92	2.04	0.59

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LUMENS TABULATION - (Cont.)

42.5	13.83 *	11.68 *	10.81 *	9.00	6.77	4.83	3.28	3.39	2.39	0.72
37.5	20.66 *	17.32 *	15.77 *	12.69 *	8.99 *	5.77	3.49	3.44	2.43	0.77
33	24.93 *	20.92 *	18.88 *	14.97 *	10.30 *	6.26	3.53	3.34	2.38	0.77
29	26.89 *	22.52 *	20.24 *	15.94 *	10.81 *	6.36	3.42	3.15	2.26	0.75
25.5	26.47 *	22.25 *	20.15 *	15.92 *	10.75 *	6.21 *	3.22	2.87	2.05	0.69
22.5	29.20 *	24.81 *	22.78 *	18.25 *	12.46 *	7.15 *	3.54	3.02	2.14	0.72
19.5	26.10 *	22.47 *	20.98 *	17.11 *	11.83 *	6.76 *	3.23	2.64	1.84	0.63
17	21.85 *	19.07 *	18.10 *	15.00 *	10.47 *	6.01 *	2.82	2.19	1.51	0.52
15	22.72 *	20.02 *	19.28 *	16.22 *	11.41 *	6.58 *	3.03	2.25	1.54	0.54
13	23.58 *	20.98 *	20.47 *	17.47 *	12.41 *	7.12 *	3.21	2.32	1.57	0.55
11	24.44 *	21.95 *	21.64 *	18.69 *	13.39 *	7.65 *	3.39	2.39	1.60	0.56
9	25.31 *	22.92 *	22.82 *	19.85 *	14.29 *	8.21 *	3.59	2.46	1.63	0.57
7	26.19 *	23.89 *	24.01 *	21.02 *	15.20 *	8.76 *	3.79 *	2.53	1.67	0.59
5	27.05 *	24.85 *	25.18 *	22.21 *	16.12 *	9.31 *	4.02 *	2.61	1.70	0.60
3	27.90 *	25.80 *	26.37 *	23.43 *	17.09 *	9.89 *	4.22 *	2.67	1.73	0.61
1	14.26 *	13.25 *	13.62 *	12.17 *	8.90 *	5.14 *	2.16 *	1.35	0.87	0.31
0	14.29 *	13.27 *	13.64 *	12.19 *	8.92 *	5.14 *	2.16 *	1.35	0.87	0.31
-1	28.07 *	25.97 *	26.54 *	23.57 *	17.19 *	9.94 *	4.23 *	2.68	1.73	0.61
-3	27.40 *	25.19 *	25.52 *	22.49 *	16.31 *	9.41 *	4.05 *	2.62	1.70	0.60
-5	26.71 *	24.40 *	24.52 *	21.45 *	15.49 *	8.91 *	3.84 *	2.55	1.67	0.59
-7	26.00 *	23.59 *	23.51 *	20.42 *	14.69 *	8.42 *	3.66	2.49	1.64	0.58
-9	25.30 *	22.79 *	22.50 *	19.41 *	13.88 *	7.90 *	3.47	2.42	1.61	0.56
-11	24.62 *	22.00 *	21.50 *	18.33 *	12.99 *	7.42 *	3.31	2.36	1.59	0.55
-13	23.95 *	21.22 *	20.48 *	17.21 *	12.09 *	6.93 *	3.14	2.30	1.56	0.54
-15	23.25 *	20.43 *	19.47 *	16.14 *	11.25 *	6.41 *	2.95	2.24	1.53	0.53
-17	28.07 *	24.40 *	22.92 *	18.72 *	12.94 *	7.34 *	3.41	2.71	1.87	0.64
-19.5	31.77 *	27.32 *	25.31 *	20.35 *	13.90 *	7.90 *	3.77	3.12	2.17	0.74
-22.5	29.09 *	24.79 *	22.69 *	18.02 *	12.18 *	6.95 *	3.45	2.97	2.09	0.70

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LUMENS TABULATION - (Cont.)

-25.5	29.69 *	25.21 *	22.93 *	18.15 *	12.32 *	7.14 *	3.66	3.26	2.30	0.76
-29	27.51 *	23.40 *	21.37 *	17.03 *	11.72 *	7.00	3.77	3.45	2.44	0.79
-33	22.83 *	19.37 *	17.80 *	14.37 *	10.14 *	6.37	3.70	3.54	2.49	0.79
-37.5	15.33 *	13.03 *	12.12 *	10.07 *	7.50	5.23	3.43	3.48	2.45	0.74
-42.5	7.09	6.14	5.91	5.28	4.45	3.67	2.78	2.99	2.10	0.61
-47.5	5.33	4.69	4.75	4.60	4.32	3.95	3.19	3.50	2.43	0.68
-55	4.07	3.64	3.74	3.67	3.47	3.18	2.54	2.74	1.86	0.52
-65	1.65	1.53	1.63	1.64	1.59	1.46	1.14	1.18	0.77	0.21
-75	0.65	0.61	0.67	0.69	0.68	0.62	0.48	0.49	0.31	0.09
-85	0.09	0.08	0.09	0.09	0.09	0.09	0.07	0.07	0.05	0.02
-90										
Total	820.74	722.57	695.70	588.20	422.58	255.28	129.66	107.51	73.80	24.22

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		1.68
85				
	0.04	0.00		8.94
75				
	0.05	0.00		22.16
65				
	0.07	0.00		57.53
55				
	0.07	0.00		77.24
47.5				
	0.06	0.00		94.07
42.5				
	0.08	0.00		185.56
37.5				
	0.09	0.00		267.42
33				
	0.09	0.00		317.82
29				
	0.09	0.00		339.83
25.5				
	0.08	0.00		333.02
22.5				
	0.09	0.00		365.71
19.5				
	0.08	0.00		325.52
17				
	0.06	0.00		271.83
15				
	0.07	0.00		282.04

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LUMENS TABULATION - (Cont.)

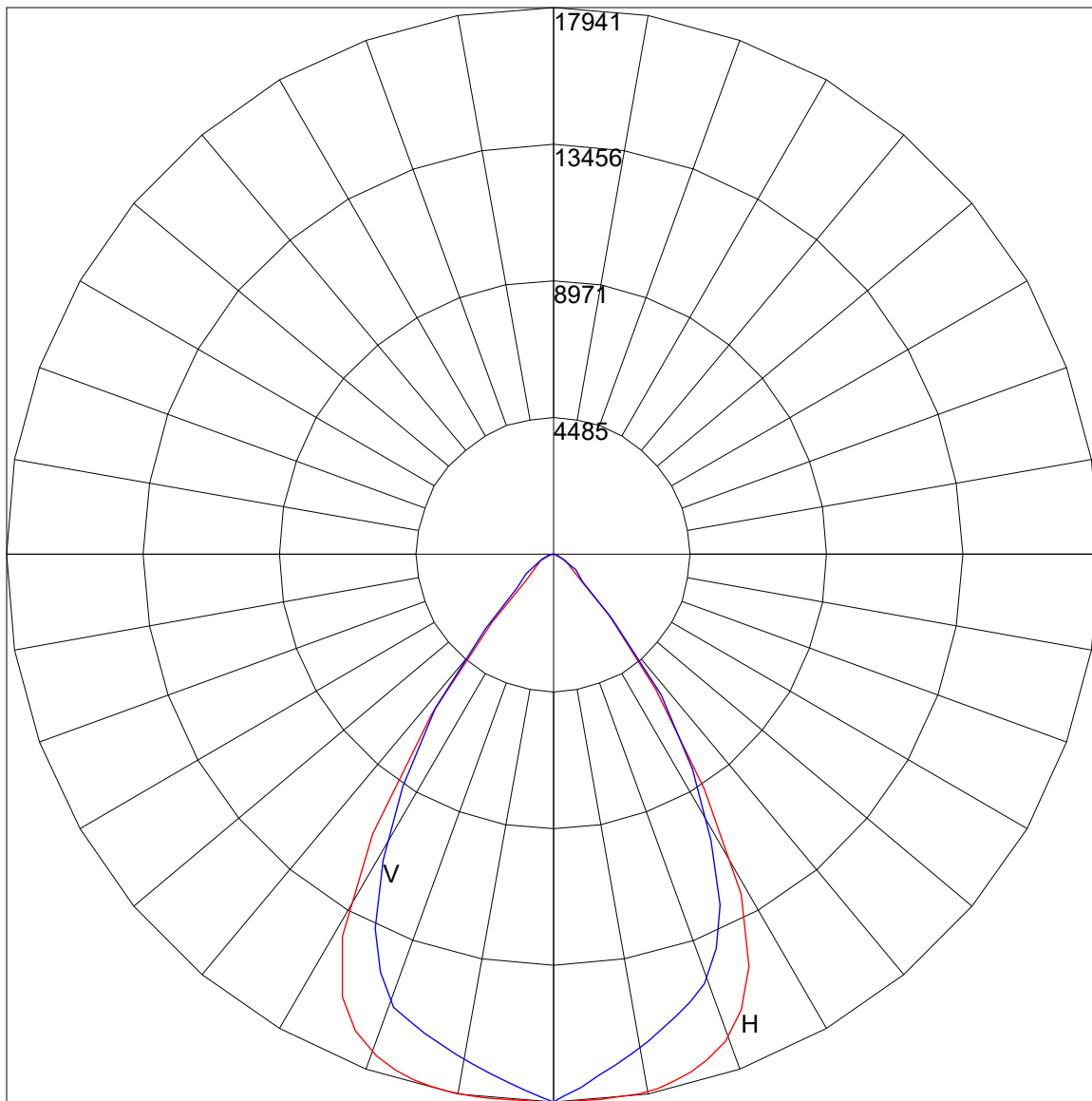
13	0.07	0.00	292.22
11	0.07	0.00	302.38
9	0.07	0.00	312.51
7	0.07	0.00	322.66
5	0.07	0.00	332.80
3	0.07	0.00	342.97
1	0.04	0.00	175.20
0	0.04	0.00	175.44
-1	0.07	0.00	344.82
-3	0.07	0.00	336.50
-5	0.07	0.00	328.21
-7	0.07	0.00	319.92
-9	0.07	0.00	311.63
-11	0.07	0.00	303.34
-13	0.07	0.00	295.01
-15	0.07	0.00	286.65
-17	0.08	0.00	346.58
-19.5	0.09	0.00	393.22
-22.5	0.08	0.00	360.95
-25.5	0.09	0.00	369.96
-29	0.09	0.00	346.70
-33	0.09	0.00	292.72
-37.5	0.08	0.00	204.75
-42.5	0.07	0.00	105.79
-47.5	0.07	0.00	88.84
-55	0.06	0.00	67.31
-65	0.03	0.00	26.85
-75	0.02	0.00	10.46

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LUMENS TABULATION - (Cont.)

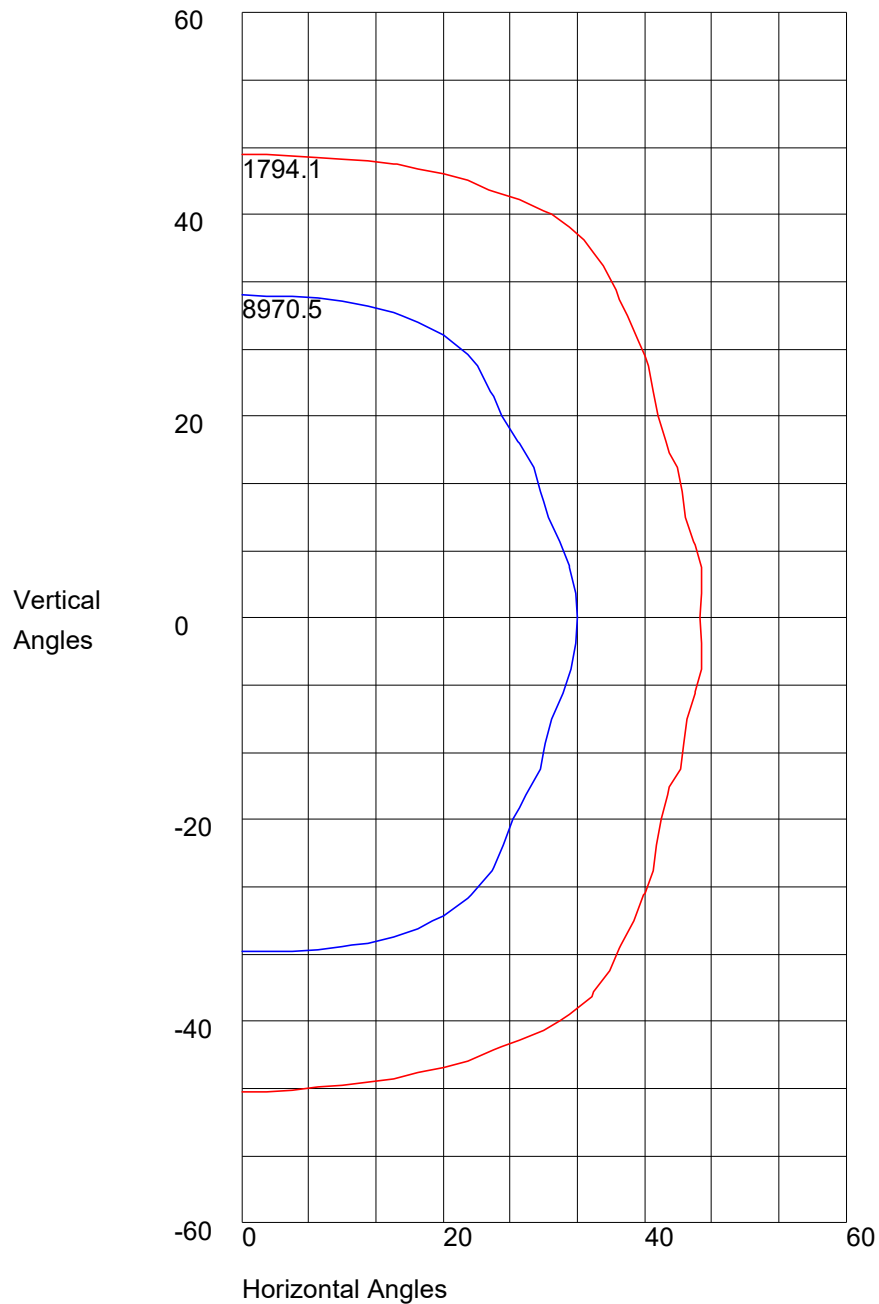
-85	0.01	0.00	1.44
-90			
Total	2.97	0.04	10348.21

AXIAL CANDELA DISPLAY



Maximum Candela = 17941 Located At Horizontal Angle = -7, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 17941 Located At Horizontal Angle =-7, Vertical Angle = 0
50% Maximum Candela = 8970.5
10% Maximum Candela = 1794.1