



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL140 55 UV 8SEL [140W, 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 [140W, 4000K]

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

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	18869.805
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	21915.73 (1 lamp)
Total Lamp Lumens	21915.73
Beam Lumens	15372
Beam Efficiency	70 %
Field Lumens	20111
Field Efficiency	92 %
Spill Lumens	1657
Luminaire Lumens	21768
Total Efficiency	99 %
Total Luminaire Watts	143.4
Ballast Factor	1.00

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DEG.	HOR.	DEG.	VERT.
90	2.108	90	9.162
85	5.874	85	47.993
75	145.26	75	126.37
65	486.528	65	334.4
55	743.296	55	931.426
47.5	1241.194	47.5	1380.238
42.5	2820.847	42.5	3051.29
37.5	5832.275	37.5	6095.533
33	9629.164	33	8834.342
29	13410.067	29	11269.715
25.5	15732.375	25.5	13400.601
22.5	16976.619	22.5	14666.932
19.5	17787.534	19.5	15709.236
17	18233.484	17	16114.168
15	18469.081	15	16438.113
13	18635.26	13	16759.955
11	18742.541	11	17082.848
9	18811.958	9	17405.741
7	18846.666	7	17728.635
5	18863.494	5	18050.476
3	18867.702	3	18374.421
1	18861.391	1	18697.315
0	18859.287	0	18859.287
-1	18857.184	-1	18740.437
-3	18859.287	-3	18502.737
-5	18865.598	-5	18266.089
-7	18869.805	-7	18029.441
-9	18863.494	-9	17793.844
-11	18845.614	-11	17557.196
-13	18800.388	-13	17319.496
-15	18716.247	-15	17081.796
-17	18584.775	-17	16846.2
-19.5	18313.419	-19.5	16550.652
-22.5	17772.809	-22.5	15549.367
-25.5	16868.287	-25.5	14288.295
-29	15049.777	-29	12066.957
-33	11474.81	-33	9525.67
-37.5	6919.7	-37.5	6666.749
-42.5	3158.36	-42.5	3491.245
-47.5	1290.627	-47.5	1716.804
-55	717.917	-55	1158.735
-65	472.497	-65	413.388
-75	141.021	-75	152.033
-85	5.276	-85	52.005
-90	2.341	-90	2.089

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 10883.95

Total Field Lumens (one side of beam only) = 10055.48

* 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	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.09
75	0.26	0.52	0.52	0.50	0.49	0.47	0.45	0.43	0.42	0.50
65	0.70	1.39	1.37	1.33	1.29	1.24	1.19	1.13	1.08	1.27
55	1.92	3.82	3.76	3.66	3.54	3.39	3.23	3.07	2.89	3.37
47.5	2.64	5.24	5.15	5.01	4.84	4.64	4.41	4.17	3.92	4.55
42.5	3.38 *	6.77 *	6.68 *	6.51 *	6.34 *	6.14 *	5.93 *	5.70 *	5.36	6.18
37.5	6.97 *	13.95 *	13.83 *	13.64 *	13.39 *	13.05 *	12.68 *	12.24 *	11.62 *	13.55 *
33	10.24 *	20.44 *	20.30 *	20.11 *	19.83 *	19.44 *	18.88 *	18.19 *	17.37 *	20.31 *
29	12.26 *	24.47 *	24.32 *	24.08 *	23.78 *	23.35 *	22.74 *	21.94 *	20.97 *	24.48 *
25.5	13.16 *	26.28 *	26.12 *	25.88 *	25.54 *	25.07 *	24.46 *	23.64 *	22.61 *	26.42 *
22.5	12.83 *	25.62 *	25.49 *	25.27 *	24.94 *	24.50 *	23.91 *	23.14 *	22.18 *	25.97 *
19.5	13.88 *	27.72 *	27.59 *	27.37 *	27.04 *	26.59 *	25.99 *	25.20 *	24.21 *	28.45 *
17	12.12 *	24.20 *	24.10 *	23.92 *	23.66 *	23.29 *	22.80 *	22.17 *	21.36 *	25.21 *
15	9.92 *	19.81 *	19.73 *	19.60 *	19.40 *	19.13 *	18.76 *	18.28 *	17.67 *	20.95 *
13	10.11 *	20.20 *	20.13 *	20.01 *	19.82 *	19.56 *	19.21 *	18.76 *	18.17 *	21.63 *
11	10.31 *	20.60 *	20.53 *	20.42 *	20.23 *	19.99 *	19.66 *	19.22 *	18.66 *	22.31 *
9	10.51 *	20.99 *	20.93 *	20.82 *	20.65 *	20.42 *	20.10 *	19.69 *	19.17 *	22.99 *
7	10.70 *	21.39 *	21.33 *	21.23 *	21.07 *	20.85 *	20.56 *	20.17 *	19.67 *	23.67 *
5	10.90 *	21.79 *	21.74 *	21.65 *	21.49 *	21.29 *	21.01 *	20.65 *	20.18 *	24.35 *
3	11.10 *	22.18 *	22.13 *	22.05 *	21.91 *	21.72 *	21.46 *	21.12 *	20.68 *	25.03 *
1	11.29 *	22.57 *	22.53 *	22.45 *	22.33 *	22.15 *	21.91 *	21.59 *	21.18 *	25.70 *
0	5.72 *	11.43 *	11.41 *	11.38 *	11.32 *	11.24 *	11.12 *	10.97 *	10.77 *	13.10 *
-1	5.73 *	11.45 *	11.43 *	11.39 *	11.33 *	11.25 *	11.14 *	10.98 *	10.79 *	13.12 *
-3	11.34 *	22.68 *	22.63 *	22.56 *	22.43 *	22.26 *	22.02 *	21.70 *	21.29 *	25.85 *
	11.20 *	22.39 *	22.34 *	22.26 *	22.13 *	21.94 *	21.69 *	21.35 *	20.91 *	25.33 *

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LUMENS TABULATION - (Cont.)

-5	11.06 *	22.10 *	22.05 *	21.96 *	21.82 *	21.62 *	21.35 *	20.99 *	20.53 *	24.80 *
-7	10.91 *	21.81 *	21.75 *	21.65 *	21.50 *	21.29 *	21.00 *	20.62 *	20.13 *	24.26 *
-9	10.77 *	21.52 *	21.46 *	21.35 *	21.19 *	20.96 *	20.66 *	20.26 *	19.74 *	23.72 *
-11	10.62 *	21.23 *	21.16 *	21.05 *	20.88 *	20.64 *	20.32 *	19.90 *	19.36 *	23.20 *
-13	10.48 *	20.94 *	20.87 *	20.75 *	20.57 *	20.32 *	19.99 *	19.55 *	18.99 *	22.68 *
-15	10.34 *	20.65 *	20.57 *	20.45 *	20.26 *	20.00 *	19.64 *	19.19 *	18.60 *	22.15 *
-17	12.72 *	25.40 *	25.30 *	25.13 *	24.88 *	24.53 *	24.07 *	23.45 *	22.67 *	26.90 *
-19.5	14.67 *	29.30 *	29.17 *	28.97 *	28.65 *	28.22 *	27.64 *	26.88 *	25.92 *	30.65 *
-22.5	13.64 *	27.24 *	27.11 *	26.90 *	26.59 *	26.17 *	25.60 *	24.86 *	23.93 *	28.22 *
-25.5	14.06 *	28.08 *	27.92 *	27.69 *	27.35 *	26.89 *	26.30 *	25.50 *	24.49 *	28.83 *
-29	13.16 *	26.28 *	26.12 *	25.89 *	25.57 *	25.14 *	24.53 *	23.73 *	22.76 *	26.74 *
-33	11.11 *	22.17 *	22.01 *	21.81 *	21.50 *	21.08 *	20.50 *	19.77 *	18.94 *	22.26 *
-37.5	7.74 *	15.48 *	15.34 *	15.11 *	14.81 *	14.40 *	13.98 *	13.47 *	12.80 *	14.94 *
-42.5	3.97 *	7.94 *	7.82 *	7.60 *	7.37 *	7.09 *	6.80 *	6.48 *	6.06 *	6.94
-47.5	3.28	6.51	6.38	6.18	5.93	5.63	5.30	4.95	4.59	5.24
-55	2.39	4.75	4.66	4.52	4.35	4.14	3.92	3.68	3.43	3.96
-65	0.86	1.71	1.69	1.64	1.59	1.53	1.46	1.39	1.32	1.56
-75	0.31	0.61	0.61	0.59	0.58	0.56	0.54	0.52	0.50	0.60
-85	0.04	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.08
-90										
Total	371.37	741.78	738.30	732.53	724.33	713.32	699.05	680.83	658.02	782.16

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	0.10	0.10	0.11	0.11	0.11	0.11	0.09	0.10	0.09	0.06
85	0.57	0.53	0.58	0.60	0.59	0.55	0.43	0.46	0.33	0.14
75	1.42	1.32	1.40	1.42	1.38	1.27	1.00	1.07	0.74	0.24
65	3.70	3.34	3.47	3.44	3.28	3.03	2.45	2.68	1.85	0.53
55	4.96	4.44	4.56	4.48	4.26	3.94	3.22	3.55	2.47	0.70
47.5	6.69	5.82	5.64	5.08	4.35	3.65	2.82	3.07	2.15	0.62

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LUMENS TABULATION - (Cont.)

42.5	14.55 *	12.29 *	11.37 *	9.46	7.12	5.08	3.45	3.57	2.52	0.76
37.5	21.73 *	18.22 *	16.59 *	13.35 *	9.46 *	6.07	3.67	3.61	2.56	0.81
33	26.22 *	22.00 *	19.86 *	15.74 *	10.84 *	6.59	3.71	3.52	2.51	0.81
29	28.29 *	23.68 *	21.29 *	16.76 *	11.36 *	6.69	3.60	3.32	2.37	0.79
25.5	27.84 *	23.40 *	21.20 *	16.75 *	11.30 *	6.54 *	3.39	3.02	2.15	0.72
22.5	30.71 *	26.10 *	23.96 *	19.20 *	13.10 *	7.52 *	3.72	3.18	2.25	0.76
19.5	27.45 *	23.63 *	22.06 *	17.99 *	12.44 *	7.11 *	3.40	2.77	1.94	0.66
17	22.98 *	20.05 *	19.04 *	15.78 *	11.01 *	6.32 *	2.97	2.30	1.59	0.55
15	23.90 *	21.06 *	20.28 *	17.06 *	12.00 *	6.92 *	3.19	2.37	1.62	0.56
13	24.80 *	22.07 *	21.53 *	18.38 *	13.05 *	7.48 *	3.38	2.44	1.65	0.58
11	25.70 *	23.08 *	22.76 *	19.66 *	14.08 *	8.04 *	3.57	2.51	1.68	0.59
9	26.62 *	24.10 *	24.01 *	20.87 *	15.03 *	8.64 *	3.78	2.59	1.72	0.60
7	27.55 *	25.12 *	25.25 *	22.11 *	15.98 *	9.21 *	3.99 *	2.66	1.75	0.62
5	28.45 *	26.13 *	26.48 *	23.36 *	16.95 *	9.79 *	4.22 *	2.74	1.79	0.63
3	29.34 *	27.14 *	27.73 *	24.65 *	17.98 *	10.40 *	4.44 *	2.81	1.82	0.64
1	15.00 *	13.94 *	14.33 *	12.80 *	9.37 *	5.40 *	2.27 *	1.42	0.92	0.32
0	15.03 *	13.96 *	14.35 *	12.82 *	9.38 *	5.41 *	2.27 *	1.42	0.92	0.32
-1	29.53 *	27.32 *	27.91 *	24.79 *	18.08 *	10.45 *	4.45 *	2.82	1.82	0.64
-3	28.82 *	26.49 *	26.85 *	23.66 *	17.16 *	9.90 *	4.26 *	2.76	1.79	0.63
-5	28.10 *	25.66 *	25.79 *	22.56 *	16.29 *	9.37 *	4.03 *	2.68	1.76	0.62
-7	27.35 *	24.82 *	24.73 *	21.48 *	15.45 *	8.85 *	3.85	2.62	1.73	0.61
-9	26.61 *	23.97 *	23.66 *	20.41 *	14.60 *	8.31 *	3.65	2.54	1.70	0.59
-11	25.90 *	23.14 *	22.61 *	19.28 *	13.67 *	7.80 *	3.48	2.48	1.67	0.58
-13	25.19 *	22.32 *	21.55 *	18.10 *	12.72 *	7.29 *	3.30	2.42	1.64	0.57
-15	24.46 *	21.49 *	20.48 *	16.97 *	11.83 *	6.74 *	3.10	2.35	1.61	0.56
-17	29.52 *	25.66 *	24.11 *	19.69 *	13.61 *	7.72 *	3.59	2.85	1.97	0.67
-19.5	33.41 *	28.74 *	26.62 *	21.40 *	14.62 *	8.31 *	3.97	3.28	2.29	0.78
-22.5	30.59 *	26.07 *	23.86 *	18.95 *	12.81 *	7.31 *	3.63	3.12	2.19	0.74

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LUMENS TABULATION - (Cont.)

-25.5	31.22 *	26.51 *	24.11 *	19.09 *	12.96 *	7.51 *	3.85	3.43	2.42	0.80
-29	28.94 *	24.61 *	22.48 *	17.92 *	12.32 *	7.36	3.96	3.63	2.56	0.83
-33	24.02 *	20.37 *	18.72 *	15.11 *	10.66 *	6.70	3.89	3.72	2.62	0.83
-37.5	16.12 *	13.71 *	12.74 *	10.59 *	7.89	5.50	3.61	3.66	2.58	0.78
-42.5	7.46	6.46	6.21	5.55	4.68	3.86	2.92	3.15	2.21	0.64
-47.5	5.61	4.93	4.99	4.84	4.55	4.15	3.36	3.68	2.55	0.72
-55	4.28	3.82	3.93	3.86	3.65	3.34	2.68	2.88	1.96	0.54
-65	1.74	1.61	1.71	1.73	1.67	1.53	1.20	1.24	0.81	0.22
-75	0.68	0.65	0.70	0.73	0.71	0.66	0.51	0.51	0.32	0.09
-85	0.09	0.09	0.09	0.10	0.10	0.09	0.07	0.08	0.05	0.02
-90										
Total	863.23	759.98	731.72	618.65	444.46	268.50	136.38	113.07	77.62	25.48

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		1.77
85				
	0.05	0.00		9.40
75				
	0.05	0.00		23.31
65				
	0.07	0.00		60.50
55				
	0.08	0.00		81.24
47.5				
	0.07	0.00		98.94
42.5				
	0.08	0.00		195.17
37.5				
	0.09	0.00		281.27
33				
	0.10	0.00		334.27
29				
	0.09	0.00		357.42
25.5				
	0.09	0.00		350.26
22.5				
	0.09	0.00		384.64
19.5				
	0.08	0.00		342.37
17				
	0.07	0.00		285.90
15				
	0.07	0.00		296.64

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LUMENS TABULATION - (Cont.)

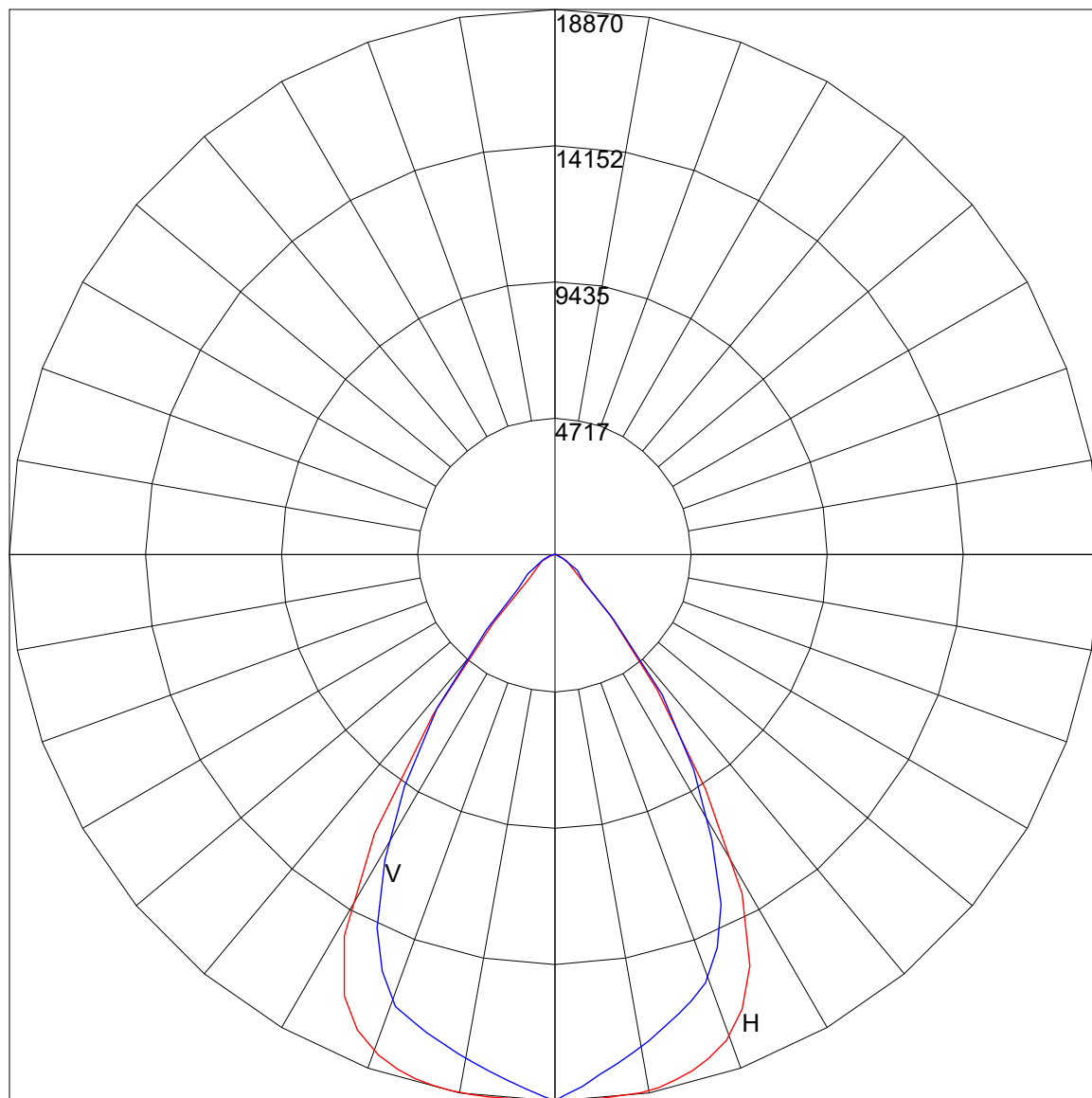
13			
	0.07	0.00	307.35
11			
	0.07	0.00	318.03
9			
	0.07	0.00	328.69
7			
	0.08	0.00	339.37
5			
	0.08	0.00	350.02
3			
	0.08	0.00	360.72
1			
	0.04	0.00	184.28
0			
	0.04	0.00	184.52
-1			
	0.08	0.00	362.67
-3			
	0.08	0.00	353.92
-5			
	0.08	0.00	345.21
-7			
	0.08	0.00	336.48
-9			
	0.07	0.00	327.76
-11			
	0.07	0.00	319.04
-13			
	0.07	0.00	310.29
-15			
	0.07	0.00	301.49
-17			
	0.08	0.00	364.52
-19.5			
	0.09	0.00	413.58
-22.5			
	0.09	0.00	379.64
-25.5			
	0.10	0.00	389.12
-29			
	0.10	0.00	364.65
-33			
	0.10	0.00	307.88
-37.5			
	0.09	0.00	215.35
-42.5			
	0.07	0.00	111.26
-47.5			
	0.08	0.00	93.44
-55			
	0.06	0.00	70.80
-65			
	0.03	0.00	28.24
-75			
	0.02	0.00	11.00

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LUMENS TABULATION - (Cont.)

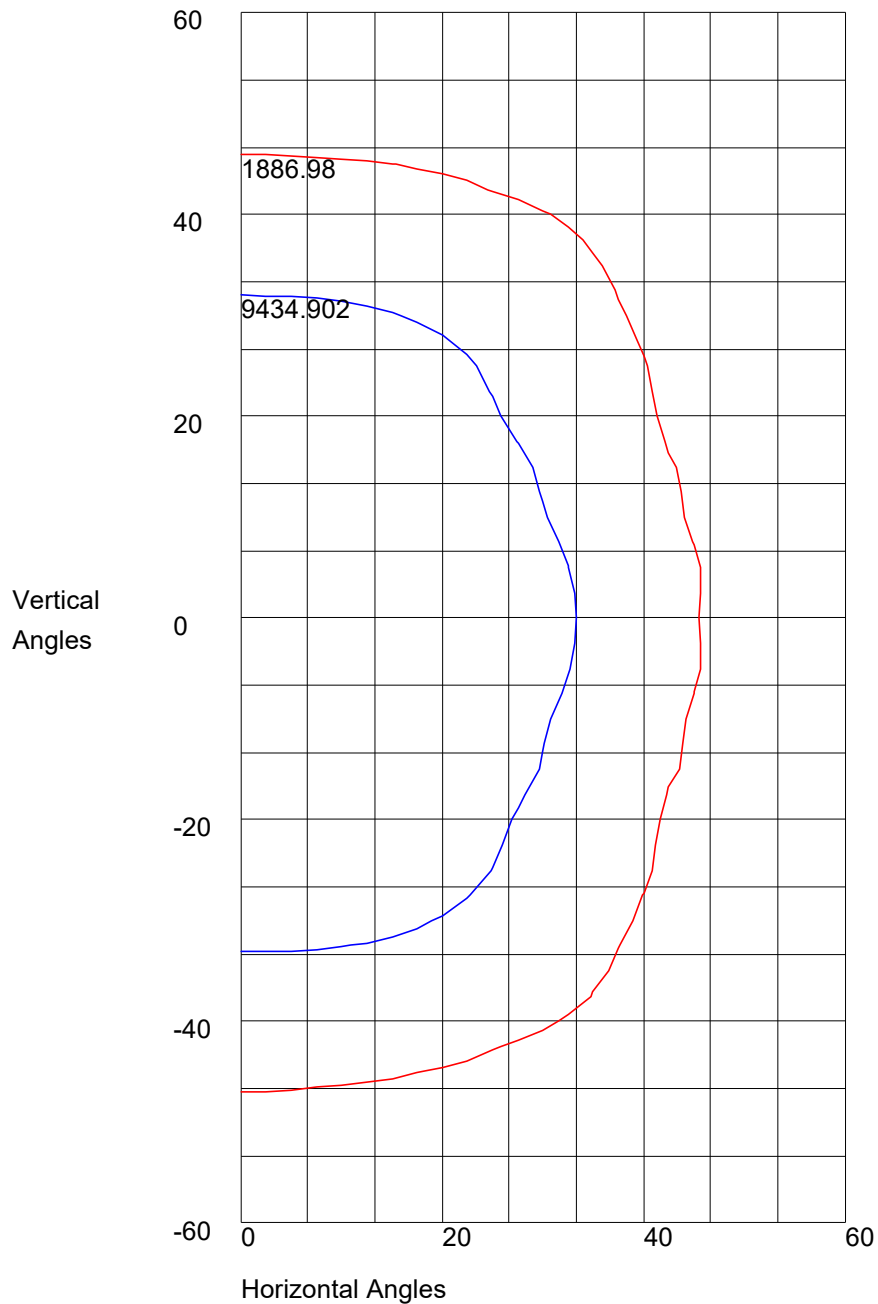
-85	0.01	0.00	1.51
-90			
Total	3.13	0.04	10883.94

AXIAL CANDELA DISPLAY



Maximum Candela = 18869.805 Located At Horizontal Angle = -7, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 18869.805 Located At Horizontal Angle = -7, Vertical Angle = 0
50% Maximum Candela = 9434.9025
10% Maximum Candela = 1886.9805