



## IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL140 55 UV 8SEL [100W, 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 [100W, 5000K]

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

### CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	13479.073
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	15654.84 (1 lamp)
Total Lamp Lumens	15654.84
Beam Lumens	10980
Beam Efficiency	70 %
Field Lumens	14366
Field Efficiency	92 %
Spill Lumens	1184
Luminaire Lumens	15549
Total Efficiency	99 %
Total Luminaire Watts	102.6
Ballast Factor	1.00

**IES FLOOD REPORT****PHOTOMETRIC FILENAME : PFK SEL140 55 UV 8SEL [100W, 5000K].IES****AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	1.506	90	6.545
85	4.196	85	34.283
75	103.762	75	90.269
65	347.536	65	238.868
55	530.951	55	665.336
47.5	886.609	47.5	985.931
42.5	2014.987	42.5	2179.596
37.5	4166.109	37.5	4354.159
33	6878.302	33	6310.544
29	9579.075	29	8050.179
25.5	11237.945	25.5	9572.313
22.5	12126.733	22.5	10476.878
19.5	12705.985	19.5	11221.416
17	13024.536	17	11510.667
15	13192.828	15	11742.067
13	13311.533	13	11971.965
11	13388.166	11	12202.614
9	13437.751	9	12433.263
7	13462.544	7	12663.912
5	13474.565	5	12893.81
3	13477.57	3	13125.211
1	13473.062	1	13355.86
0	13471.56	0	13471.56
-1	13470.057	-1	13386.663
-3	13471.56	-3	13216.869
-5	13476.068	-5	13047.827
-7	13479.073	-7	12878.784
-9	13474.565	-9	12710.493
-11	13461.793	-11	12541.451
-13	13429.487	-13	12371.657
-15	13369.383	-15	12201.863
-17	13275.471	-17	12033.572
-19.5	13081.635	-19.5	11822.456
-22.5	12695.467	-22.5	11107.219
-25.5	12049.349	-25.5	10206.41
-29	10750.351	-29	8619.665
-33	8196.683	-33	6804.374
-37.5	4942.878	-37.5	4762.19
-42.5	2256.079	-42.5	2493.865
-47.5	921.92	-47.5	1226.347
-55	512.822	-55	827.707
-65	337.514	-65	295.291
-75	100.734	-75	108.6
-85	3.769	-85	37.148
-90	1.672	-90	1.492

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**LUMEN TABULATION**

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 7774.61

Total Field Lumens (one side of beam only) = 7182.83

\* 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	0.05	0.05
75	0.19	0.37	0.37	0.36	0.35	0.34	0.32	0.31	0.30	0.36
65	0.50	0.99	0.98	0.95	0.92	0.88	0.85	0.81	0.77	0.91
55	1.37	2.73	2.69	2.62	2.53	2.42	2.31	2.19	2.06	2.41
47.5	1.88	3.74	3.68	3.58	3.46	3.31	3.15	2.98	2.80	3.25
42.5	2.41 *	4.83 *	4.77 *	4.65 *	4.53 *	4.39 *	4.24 *	4.07 *	3.83	4.41
37.5	4.98 *	9.97 *	9.88 *	9.74 *	9.56 *	9.32 *	9.06 *	8.74 *	8.30 *	9.68 *
33	7.32 *	14.60 *	14.50 *	14.37 *	14.17 *	13.88 *	13.49 *	12.99 *	12.41 *	14.51 *
29	8.75 *	17.48 *	17.37 *	17.20 *	16.98 *	16.68 *	16.24 *	15.67 *	14.98 *	17.49 *
25.5	9.40 *	18.77 *	18.66 *	18.49 *	18.24 *	17.91 *	17.47 *	16.89 *	16.15 *	18.87 *
22.5	9.16 *	18.30 *	18.21 *	18.05 *	17.82 *	17.50 *	17.08 *	16.53 *	15.84 *	18.55 *
19.5	9.92 *	19.80 *	19.71 *	19.55 *	19.32 *	19.00 *	18.57 *	18.00 *	17.29 *	20.32 *
17	8.66 *	17.29 *	17.21 *	17.09 *	16.90 *	16.64 *	16.29 *	15.83 *	15.25 *	18.01 *
15	7.08 *	14.15 *	14.09 *	14.00 *	13.86 *	13.66 *	13.40 *	13.06 *	12.63 *	14.97 *
13	7.22 *	14.43 *	14.38 *	14.29 *	14.16 *	13.97 *	13.72 *	13.40 *	12.98 *	15.45 *
11	7.36 *	14.71 *	14.67 *	14.58 *	14.45 *	14.28 *	14.04 *	13.73 *	13.33 *	15.93 *
9	7.51 *	15.00 *	14.95 *	14.87 *	14.75 *	14.58 *	14.36 *	14.07 *	13.69 *	16.42 *
7	7.65 *	15.28 *	15.24 *	15.17 *	15.05 *	14.90 *	14.68 *	14.41 *	14.05 *	16.91 *
5	7.79 *	15.56 *	15.53 *	15.46 *	15.35 *	15.21 *	15.01 *	14.75 *	14.41 *	17.40 *
3	7.93 *	15.84 *	15.81 *	15.75 *	15.65 *	15.52 *	15.33 *	15.09 *	14.77 *	17.88 *
1	8.07 *	16.12 *	16.09 *	16.04 *	15.95 *	15.82 *	15.65 *	15.42 *	15.13 *	18.36 *
0	4.09 *	8.17 *	8.15 *	8.13 *	8.09 *	8.03 *	7.94 *	7.84 *	7.70 *	9.36 *
-1	4.09 *	8.18 *	8.16 *	8.14 *	8.10 *	8.04 *	7.95 *	7.85 *	7.71 *	9.37 *
-3	8.10 *	16.20 *	16.17 *	16.11 *	16.02 *	15.90 *	15.73 *	15.50 *	15.21 *	18.47 *
	8.00 *	15.99 *	15.96 *	15.90 *	15.81 *	15.67 *	15.49 *	15.25 *	14.94 *	18.09 *

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**LUMENS TABULATION - (Cont.)**

<b>-5</b>	7.90 *	15.79 *	15.75 *	15.69 *	15.58 *	15.44 *	15.25 *	14.99 *	14.66 *	17.72 *
<b>-7</b>	7.80 *	15.58 *	15.54 *	15.47 *	15.36 *	15.21 *	15.00 *	14.73 *	14.38 *	17.33 *
<b>-9</b>	7.69 *	15.37 *	15.33 *	15.25 *	15.13 *	14.97 *	14.76 *	14.47 *	14.10 *	16.95 *
<b>-11</b>	7.59 *	15.16 *	15.12 *	15.04 *	14.91 *	14.74 *	14.52 *	14.21 *	13.83 *	16.57 *
<b>-13</b>	7.49 *	14.96 *	14.91 *	14.82 *	14.69 *	14.52 *	14.28 *	13.96 *	13.56 *	16.20 *
<b>-15</b>	7.38 *	14.75 *	14.70 *	14.61 *	14.47 *	14.28 *	14.03 *	13.71 *	13.29 *	15.82 *
<b>-17</b>	9.08 *	18.14 *	18.07 *	17.95 *	17.77 *	17.53 *	17.19 *	16.75 *	16.19 *	19.22 *
<b>-19.5</b>	10.48 *	20.93 *	20.84 *	20.69 *	20.47 *	20.16 *	19.75 *	19.20 *	18.52 *	21.89 *
<b>-22.5</b>	9.74 *	19.46 *	19.37 *	19.22 *	18.99 *	18.69 *	18.29 *	17.76 *	17.10 *	20.16 *
<b>-25.5</b>	10.04 *	20.06 *	19.95 *	19.78 *	19.54 *	19.21 *	18.78 *	18.21 *	17.50 *	20.59 *
<b>-29</b>	9.40 *	18.77 *	18.66 *	18.49 *	18.27 *	17.96 *	17.52 *	16.95 *	16.26 *	19.10 *
<b>-33</b>	7.93 *	15.83 *	15.72 *	15.58 *	15.36 *	15.06 *	14.64 *	14.12 *	13.53 *	15.90 *
<b>-37.5</b>	5.53 *	11.06 *	10.96 *	10.79 *	10.58 *	10.29 *	9.98 *	9.62 *	9.14 *	10.67 *
<b>-42.5</b>	2.83 *	5.67 *	5.59 *	5.43 *	5.26 *	5.06 *	4.86 *	4.63 *	4.33 *	4.96
<b>-47.5</b>	2.34	4.65	4.56	4.41	4.23	4.02	3.79	3.53	3.28	3.74
<b>-55</b>	1.71	3.39	3.33	3.23	3.11	2.96	2.80	2.63	2.45	2.83
<b>-65</b>	0.61	1.22	1.20	1.17	1.14	1.09	1.04	1.00	0.95	1.11
<b>-75</b>	0.22	0.44	0.43	0.42	0.41	0.40	0.39	0.37	0.36	0.43
<b>-85</b>	0.03	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.06
<b>-90</b>										
<b>Total</b>	265.27	529.87	527.38	523.26	517.40	509.54	499.35	486.33	470.04	558.71

**Vert. Horizontal Angles**

<b>Angles</b>	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>29</b>	<b>33</b>	<b>37.5</b>	<b>42.5</b>	<b>47.5</b>	<b>55</b>	<b>65</b>
<b>90</b>	0.07	0.07	0.08	0.08	0.08	0.08	0.06	0.07	0.06	0.04
<b>85</b>	0.41	0.38	0.41	0.43	0.42	0.39	0.31	0.33	0.24	0.10
<b>75</b>	1.02	0.94	1.00	1.01	0.98	0.91	0.72	0.76	0.53	0.17
<b>65</b>	2.64	2.39	2.48	2.45	2.35	2.16	1.75	1.91	1.32	0.38
<b>55</b>	3.54	3.17	3.26	3.20	3.05	2.82	2.30	2.54	1.76	0.50
<b>47.5</b>	4.78	4.16	4.03	3.63	3.11	2.61	2.02	2.19	1.54	0.44

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**LUMENS TABULATION - (Cont.)**

<b>42.5</b>										
	10.39 *	8.78 *	8.12 *	6.76	5.09	3.63	2.46	2.55	1.80	0.54
<b>37.5</b>										
	15.52 *	13.01 *	11.85 *	9.53 *	6.76 *	4.33	2.62	2.58	1.83	0.58
<b>33</b>										
	18.73 *	15.72 *	14.19 *	11.24 *	7.74 *	4.71	2.65	2.51	1.79	0.58
<b>29</b>										
	20.21 *	16.92 *	15.21 *	11.97 *	8.12 *	4.78	2.57	2.37	1.69	0.56
<b>25.5</b>										
	19.89 *	16.72 *	15.14 *	11.96 *	8.07 *	4.67 *	2.42	2.16	1.54	0.52
<b>22.5</b>										
	21.94 *	18.64 *	17.11 *	13.71 *	9.36 *	5.37 *	2.66	2.27	1.60	0.54
<b>19.5</b>										
	19.61 *	16.88 *	15.76 *	12.85 *	8.89 *	5.08 *	2.43	1.98	1.38	0.47
<b>17</b>										
	16.42 *	14.32 *	13.60 *	11.27 *	7.86 *	4.51 *	2.12	1.64	1.13	0.39
<b>15</b>										
	17.07 *	15.04 *	14.49 *	12.19 *	8.57 *	4.94 *	2.28	1.69	1.16	0.40
<b>13</b>										
	17.72 *	15.76 *	15.38 *	13.13 *	9.32 *	5.35 *	2.41	1.74	1.18	0.41
<b>11</b>										
	18.36 *	16.49 *	16.26 *	14.04 *	10.06 *	5.75 *	2.55	1.79	1.20	0.42
<b>9</b>										
	19.02 *	17.22 *	17.15 *	14.91 *	10.74 *	6.17 *	2.70	1.85	1.23	0.43
<b>7</b>										
	19.68 *	17.95 *	18.04 *	15.79 *	11.42 *	6.58 *	2.85 *	1.90	1.25	0.44
<b>5</b>										
	20.32 *	18.67 *	18.92 *	16.69 *	12.11 *	7.00 *	3.02 *	1.96	1.28	0.45
<b>3</b>										
	20.96 *	19.38 *	19.81 *	17.61 *	12.84 *	7.43 *	3.17 *	2.01	1.30	0.46
<b>1</b>										
	10.72 *	9.96 *	10.23 *	9.14 *	6.69 *	3.86 *	1.62 *	1.02	0.66	0.23
<b>0</b>										
	10.73 *	9.97 *	10.25 *	9.16 *	6.70 *	3.86 *	1.62 *	1.02	0.66	0.23
<b>-1</b>										
	21.09 *	19.51 *	19.94 *	17.71 *	12.91 *	7.47 *	3.18 *	2.01	1.30	0.46
<b>-3</b>										
	20.59 *	18.93 *	19.18 *	16.90 *	12.26 *	7.07 *	3.04 *	1.97	1.28	0.45
<b>-5</b>										
	20.07 *	18.33 *	18.42 *	16.11 *	11.64 *	6.69 *	2.88 *	1.92	1.26	0.44
<b>-7</b>										
	19.54 *	17.73 *	17.66 *	15.34 *	11.04 *	6.32 *	2.75	1.87	1.23	0.43
<b>-9</b>										
	19.01 *	17.12 *	16.90 *	14.58 *	10.43 *	5.94 *	2.61	1.82	1.21	0.42
<b>-11</b>										
	18.50 *	16.53 *	16.15 *	13.77 *	9.76 *	5.57 *	2.48	1.77	1.19	0.41
<b>-13</b>										
	17.99 *	15.94 *	15.39 *	12.93 *	9.09 *	5.20 *	2.36	1.73	1.17	0.41
<b>-15</b>										
	17.47 *	15.35 *	14.63 *	12.12 *	8.45 *	4.82 *	2.21	1.68	1.15	0.40
<b>-17</b>										
	21.09 *	18.33 *	17.22 *	14.06 *	9.72 *	5.52 *	2.56	2.03	1.40	0.48
<b>-19.5</b>										
	23.87 *	20.53 *	19.02 *	15.29 *	10.44 *	5.93 *	2.83	2.34	1.63	0.55
<b>-22.5</b>										
	21.85 *	18.62 *	17.05 *	13.54 *	9.15 *	5.22 *	2.59	2.23	1.57	0.53

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**LUMENS TABULATION - (Cont.)**

<b>-25.5</b>	22.30 *	18.94 *	17.22 *	13.64 *	9.26 *	5.36 *	2.75	2.45	1.73	0.57
<b>-29</b>	20.67 *	17.58 *	16.06 *	12.80 *	8.80 *	5.26	2.83	2.60	1.83	0.59
<b>-33</b>	17.15 *	14.55 *	13.37 *	10.79 *	7.62 *	4.78	2.78	2.66	1.87	0.59
<b>-37.5</b>	11.52 *	9.79 *	9.10 *	7.56 *	5.64	3.93	2.58	2.62	1.84	0.56
<b>-42.5</b>	5.33	4.61	4.44	3.97	3.35	2.75	2.09	2.25	1.58	0.46
<b>-47.5</b>	4.01	3.52	3.57	3.46	3.25	2.97	2.40	2.63	1.82	0.51
<b>-55</b>	3.06	2.73	2.81	2.75	2.61	2.39	1.91	2.06	1.40	0.39
<b>-65</b>	1.24	1.15	1.22	1.23	1.19	1.09	0.86	0.89	0.58	0.16
<b>-75</b>	0.49	0.46	0.50	0.52	0.51	0.47	0.36	0.36	0.23	0.07
<b>-85</b>	0.07	0.06	0.07	0.07	0.07	0.07	0.05	0.05	0.04	0.01
<b>-90</b>										
<b>Total</b>	616.62	542.87	522.68	441.91	317.49	191.79	97.42	80.77	55.45	18.20

<b>Vert. Angles</b>	<b>Horizontal Angles</b>			
	<b><u>75</u></b>	<b><u>85</u></b>	<b><u>90</u></b>	<b><u>Total</u></b>
<b>90</b>				
	0.02	0.00		1.27
<b>85</b>				
	0.03	0.00		6.72
<b>75</b>				
	0.04	0.00		16.65
<b>65</b>				
	0.05	0.00		43.22
<b>55</b>				
	0.06	0.00		58.03
<b>47.5</b>				
	0.05	0.00		70.68
<b>42.5</b>				
	0.06	0.00		139.41
<b>37.5</b>				
	0.07	0.00		200.92
<b>33</b>				
	0.07	0.00		238.78
<b>29</b>				
	0.07	0.00		255.31
<b>25.5</b>				
	0.06	0.00		250.20
<b>22.5</b>				
	0.07	0.00		274.76
<b>19.5</b>				
	0.06	0.00		244.56
<b>17</b>				
	0.05	0.00		204.23
<b>15</b>				
	0.05	0.00		211.90

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**LUMENS TABULATION - (Cont.)**

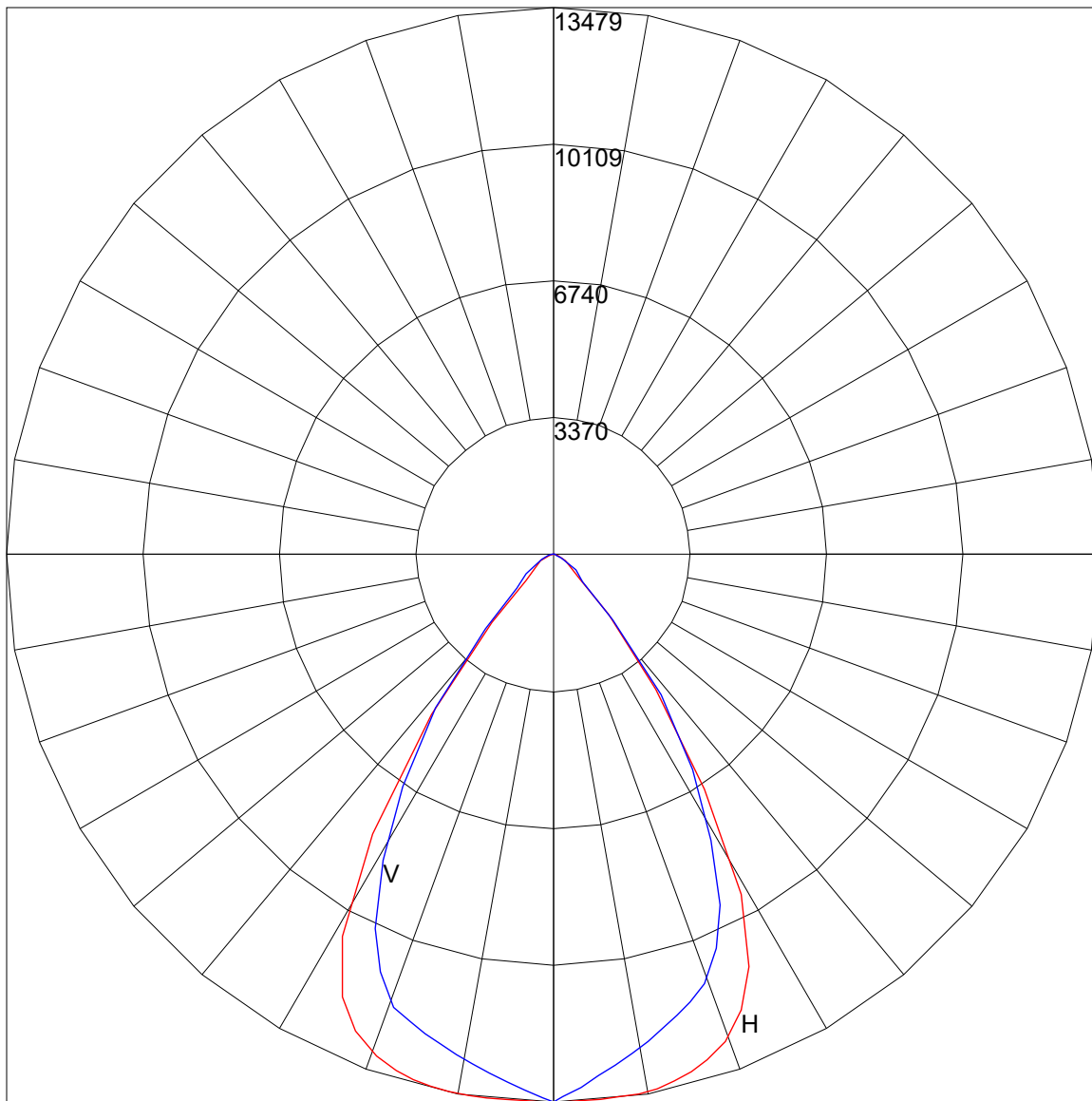
<b>13</b>	0.05	0.00	219.55
<b>11</b>	0.05	0.00	227.17
<b>9</b>	0.05	0.00	234.79
<b>7</b>	0.05	0.00	242.42
<b>5</b>	0.06	0.00	250.03
<b>3</b>	0.06	0.00	257.67
<b>1</b>	0.03	0.00	131.63
<b>0</b>	0.03	0.00	131.80
<b>-1</b>	0.06	0.00	259.06
<b>-3</b>	0.06	0.00	252.81
<b>-5</b>	0.05	0.00	246.59
<b>-7</b>	0.05	0.00	240.35
<b>-9</b>	0.05	0.00	234.13
<b>-11</b>	0.05	0.00	227.90
<b>-13</b>	0.05	0.00	221.64
<b>-15</b>	0.05	0.00	215.36
<b>-17</b>	0.06	0.00	260.38
<b>-19.5</b>	0.07	0.00	295.43
<b>-22.5</b>	0.06	0.00	271.18
<b>-25.5</b>	0.07	0.00	277.95
<b>-29</b>	0.07	0.00	260.48
<b>-33</b>	0.07	0.00	219.92
<b>-37.5</b>	0.06	0.00	153.83
<b>-42.5</b>	0.05	0.00	79.48
<b>-47.5</b>	0.05	0.00	66.75
<b>-55</b>	0.04	0.00	50.57
<b>-65</b>	0.02	0.00	20.17
<b>-75</b>	0.01	0.00	7.86

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LUMENS TABULATION - (Cont.)

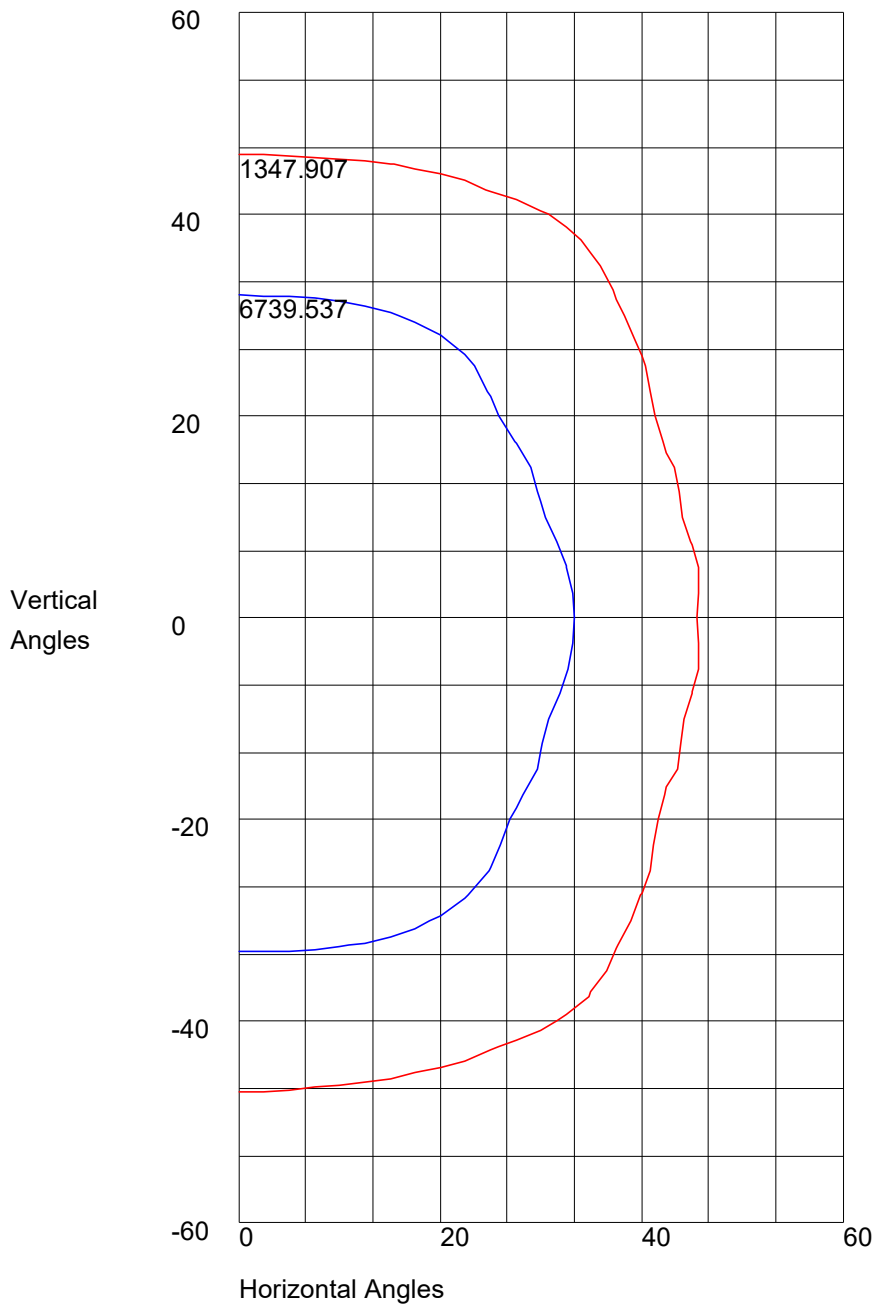
-85	0.00	0.00	1.08
-90			
Total	2.23	0.03	7774.61

AXIAL CANDELA DISPLAY



Maximum Candela = 13479.073 Located At Horizontal Angle = -7, Vertical Angle = 0  
H - Horizontal Axial Candela  
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 13479.073 Located At Horizontal Angle = -7, Vertical Angle = 0  
50% Maximum Candela = 6739.5365  
10% Maximum Candela = 1347.9073