



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [290W, 4000K].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 [290W, 4000K]

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

CHARACTERISTICS

NEMA Type	6 H x 6 V
Maximum Candela	25442.107
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	41577.88 (1 lamp)
Total Lamp Lumens	41577.88
Beam Lumens	29862
Beam Efficiency	72 %
Field Lumens	39117
Field Efficiency	94 %
Spill Lumens	2180
Luminaire Lumens	41297
Total Efficiency	99 %
Total Luminaire Watts	301.4
Ballast Factor	1.00

IES FLOOD REPORT**PHOTOMETRIC FILENAME : PFK SEL290 66 UV 8SEL [290W, 4000K].IES****AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	4.511	90	11.146
85	13.662	85	174.197
75	354.862	75	501.411
65	1038.473	65	1538.742
55	2732.2	55	4706.303
47.5	7943.725	47.5	7116.19
42.5	13958.44	42.5	9574.556
37.5	18753.445	37.5	12898.882
33	21370.058	33	15876.442
29	22692.124	29	18558.681
25.5	23546.334	25.5	20846.1
22.5	24074.525	22.5	22167.108
19.5	24462.995	19.5	23213.965
17	24723.386	17	23475.414
15	24896.98	15	23684.997
13	25051.521	13	23929.511
11	25157.371	11	24174.024
9	25237.817	9	24400.543
7	25308.736	7	24610.126
5	25382.831	5	24818.651
3	25435.756	3	25064.223
1	25442.107	1	25309.795
0	25431.522	0	25431.522
-1	25410.352	-1	25314.029
-3	25351.076	-3	25077.983
-5	25254.753	-5	24842.996
-7	25148.903	-7	24642.94
-9	25029.292	-9	24442.883
-11	24899.097	-11	24225.891
-13	24714.918	-13	23990.904
-15	24488.399	-15	23755.917
-17	24244.944	-17	23555.86
-19.5	23840.597	-19.5	23304.996
-22.5	23229.842	-22.5	22243.32
-25.5	22494.185	-25.5	20895.85
-29	21476.966	-29	18543.862
-33	19869.104	-33	15786.47
-37.5	16557.058	-37.5	12726.346
-42.5	11128.011	-42.5	9308.873
-47.5	5825.455	-47.5	6834.1
-55	2044.916	-55	4513.55
-65	928.495	-65	1464.541
-75	324.219	-75	469.805
-85	11.274	-85	159.876
-90	5.345	-90	5.208

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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 20648.26

Total Field Lumens (one side of beam only) = 19558.47

* 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	0.14	0.28	0.28	0.27	0.26	0.26	0.25	0.23	0.22	0.26
75	1.03	2.04	2.01	1.96	1.90	1.83	1.75	1.66	1.58	1.86
65	3.10	6.19	6.12	6.00	5.82	5.60	5.36	5.10	4.83	5.63
55	9.50 *	18.96 *	18.75 *	18.36 *	17.87 *	17.24 *	16.51 *	15.68 *	14.75 *	17.05 *
47.5	13.49 *	26.90 *	26.60 *	26.06 *	25.37 *	24.50 *	23.46 *	22.26 *	20.91 *	24.08 *
42.5	12.71 *	25.37 *	25.11 *	24.64 *	24.06 *	23.33 *	22.49 *	21.52 *	20.32 *	23.56 *
37.5	17.12 *	34.18 *	33.90 *	33.44 *	32.83 *	32.04 *	31.15 *	30.12 *	28.84 *	34.10 *
33	19.73 *	39.37 *	39.11 *	38.73 *	38.21 *	37.53 *	36.67 *	35.65 *	34.52 *	41.37 *
29	20.99 *	41.90 *	41.66 *	41.30 *	40.84 *	40.26 *	39.50 *	38.60 *	37.56 *	45.28 *
25.5	21.01 *	41.96 *	41.75 *	41.42 *	40.99 *	40.45 *	39.81 *	39.03 *	38.10 *	46.12 *
22.5	19.66 *	39.26 *	39.08 *	38.80 *	38.42 *	37.96 *	37.40 *	36.72 *	35.93 *	43.60 *
19.5	20.74 *	41.41 *	41.25 *	40.97 *	40.59 *	40.13 *	39.57 *	38.90 *	38.11 *	46.33 *
17	17.78 *	35.50 *	35.36 *	35.13 *	34.82 *	34.43 *	33.97 *	33.41 *	32.76 *	39.85 *
15	14.36 *	28.69 *	28.57 *	28.39 *	28.14 *	27.83 *	27.46 *	27.02 *	26.50 *	32.23 *
13	14.50 *	28.96 *	28.85 *	28.66 *	28.42 *	28.11 *	27.74 *	27.30 *	26.78 *	32.59 *
11	14.65 *	29.26 *	29.15 *	28.96 *	28.71 *	28.41 *	28.04 *	27.61 *	27.09 *	33.00 *
9	14.80 *	29.55 *	29.44 *	29.25 *	29.00 *	28.70 *	28.34 *	27.90 *	27.39 *	33.39 *
7	14.93 *	29.82 *	29.70 *	29.52 *	29.27 *	28.97 *	28.60 *	28.17 *	27.66 *	33.71 *
5	15.06 *	30.07 *	29.96 *	29.78 *	29.53 *	29.23 *	28.86 *	28.42 *	27.91 *	34.02 *
3	15.19 *	30.35 *	30.23 *	30.05 *	29.81 *	29.50 *	29.13 *	28.70 *	28.18 *	34.37 *
1	15.34 *	30.64 *	30.53 *	30.34 *	30.10 *	29.80 *	29.44 *	29.00 *	28.49 *	34.77 *
0	7.73 *	15.43 *	15.37 *	15.28 *	15.16 *	15.01 *	14.83 *	14.62 *	14.36 *	17.54 *
-1	7.73 *	15.43 *	15.37 *	15.28 *	15.16 *	15.01 *	14.83 *	14.62 *	14.36 *	17.54 *
-3	15.35 *	30.65 *	30.54 *	30.35 *	30.11 *	29.81 *	29.45 *	29.01 *	28.49 *	34.78 *
	15.21 *	30.37 *	30.25 *	30.07 *	29.83 *	29.52 *	29.15 *	28.71 *	28.19 *	34.38 *

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LUMENS TABULATION - (Cont.)

-5	15.07 *	30.11 *	29.99 *	29.81 *	29.56 *	29.26 *	28.88 *	28.44 *	27.92 *	34.03 *
-7	14.95 *	29.86 *	29.74 *	29.55 *	29.31 *	29.00 *	28.64 *	28.19 *	27.67 *	33.73 *
-9	14.82 *	29.61 *	29.49 *	29.30 *	29.05 *	28.75 *	28.38 *	27.93 *	27.41 *	33.40 *
-11	14.69 *	29.33 *	29.21 *	29.02 *	28.77 *	28.47 *	28.10 *	27.65 *	27.11 *	33.01 *
-13	14.54 *	29.04 *	28.92 *	28.73 *	28.49 *	28.19 *	27.81 *	27.35 *	26.80 *	32.61 *
-15	14.41 *	28.77 *	28.65 *	28.47 *	28.22 *	27.92 *	27.53 *	27.08 *	26.53 *	32.25 *
-17	17.84 *	35.62 *	35.47 *	35.24 *	34.93 *	34.54 *	34.07 *	33.48 *	32.80 *	39.88 *
-19.5	20.81 *	41.56 *	41.37 *	41.09 *	40.72 *	40.25 *	39.68 *	38.97 *	38.16 *	46.35 *
-22.5	19.71 *	39.36 *	39.17 *	38.90 *	38.52 *	38.05 *	37.47 *	36.76 *	35.93 *	43.57 *
-25.5	21.03 *	41.99 *	41.76 *	41.43 *	41.00 *	40.46 *	39.79 *	38.97 *	38.00 *	45.96 *
-29	20.92 *	41.76 *	41.50 *	41.14 *	40.67 *	40.08 *	39.31 *	38.36 *	37.30 *	44.93 *
-33	19.55 *	38.99 *	38.72 *	38.34 *	37.81 *	37.12 *	36.23 *	35.17 *	34.02 *	40.74 *
-37.5	16.78 *	33.50 *	33.21 *	32.73 *	32.11 *	31.29 *	30.39 *	29.33 *	28.04 *	33.11 *
-42.5	12.29 *	24.53 *	24.26 *	23.76 *	23.17 *	22.42 *	21.56 *	20.58 *	19.38 *	22.40 *
-47.5	12.95 *	25.81 *	25.49 *	24.94 *	24.23 *	23.35 *	22.30 *	21.09 *	19.75 *	22.66 *
-55	9.10 *	18.15 *	17.94 *	17.57 *	17.08 *	16.46 *	15.75 *	14.93 *	14.02 *	16.17 *
-65	2.94	5.88	5.83	5.72	5.57	5.38	5.17	4.94	4.68	5.47
-75	0.96	1.90	1.89	1.85	1.80	1.75	1.69	1.62	1.55	1.83
-85	0.13	0.25	0.25	0.24	0.24	0.23	0.22	0.21	0.20	0.24
-90	0.13	0.25	0.25	0.24	0.24	0.23	0.22	0.21	0.20	0.24
Total	605.33	1208.57	1201.8	1190.86	1176.45	1158.43	1136.72	1111.00	1081.13	1303.76

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	0.30	0.27	0.29	0.30	0.30	0.28	0.24	0.26	0.22	0.11
85	2.06	1.88	1.97	1.98	1.91	1.75	1.38	1.43	0.98	0.35
75	6.13	5.49	5.59	5.35	4.89	4.28	3.25	3.26	2.12	0.65
65	18.29	15.96	15.75	14.52	12.64	10.46	7.59	7.39	4.72	1.37
55	25.71 *	22.20 *	21.65 *	19.72 *	16.87	13.67	9.72	9.35	5.95	1.74
47.5	25.55 *	22.41 *	22.17 *	20.50 *	17.52 *	13.75 *	9.19	8.33	5.15	1.52

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LUMENS TABULATION - (Cont.)

42.5										
	37.86 *	34.16 *	34.98 *	33.27 *	28.64 *	21.81 *	13.49 *	10.95	6.20	1.82
37.5										
	46.64 *	42.95 *	44.95 *	43.55 *	37.86 *	28.38 *	16.66 *	12.44	6.53	1.90
33										
	51.57 *	48.05 *	50.78 *	49.65 *	43.36 *	32.24 *	18.30 *	12.97 *	6.52	1.90
29										
	52.78 *	49.44 *	52.50 *	51.54 *	45.14 *	33.65 *	18.96 *	13.01 *	6.27	1.82
25.5										
	50.03 *	47.04 *	50.22 *	49.57 *	43.60 *	32.59 *	18.36 *	12.41 *	5.80	1.66
22.5										
	53.31 *	50.34 *	53.94 *	53.51 *	47.51 *	35.59 *	19.94 *	13.45 *	6.15	1.73
19.5										
	45.91 *	43.43 *	46.68 *	46.57 *	41.78 *	31.69 *	17.92 *	12.06 *	5.41	1.50
17										
	37.14 *	35.17 *	37.92 *	38.11 *	34.48 *	26.62 *	15.31 *	10.21 *	4.52	1.23
15										
	37.58 *	35.62 *	38.51 *	38.89 *	35.49 *	27.75 *	16.07 *	10.66 *	4.67	1.25
13										
	38.09 *	36.15 *	39.19 *	39.83 *	36.64 *	28.77 *	16.67 *	11.03 *	4.77	1.27
11										
	38.57 *	36.66 *	39.82 *	40.71 *	37.74 *	29.75 *	17.34 *	11.47 *	4.86	1.29
9										
	38.97 *	37.08 *	40.37 *	41.39 *	38.63 *	30.82 *	18.17 *	12.02 *	4.96	1.31
7										
	39.35 *	37.47 *	40.89 *	42.06 *	39.50 *	31.85 *	18.98 *	12.51 *	5.04	1.34
5										
	39.79 *	37.92 *	41.46 *	42.83 *	40.47 *	32.95 *	19.78 *	12.93 *	5.11	1.36
3										
	40.28 *	38.44 *	42.11 *	43.70 *	41.63 *	34.14 *	20.45 *	13.17 *	5.14	1.37
1										
	20.33 *	19.42 *	21.30 *	22.19 *	21.28 *	17.48 *	10.40 *	6.62 *	2.57	0.69
0										
	20.33 *	19.42 *	21.30 *	22.19 *	21.27 *	17.47 *	10.39 *	6.61 *	2.56	0.69
-1										
	40.28 *	38.44 *	42.09 *	43.66 *	41.57 *	34.07 *	20.40 *	13.13 *	5.13	1.37
-3										
	39.79 *	37.91 *	41.43 *	42.75 *	40.35 *	32.81 *	19.68 *	12.85 *	5.09	1.35
-5										
	39.35 *	37.45 *	40.84 *	41.95 *	39.32 *	31.65 *	18.82 *	12.39 *	5.00	1.33
-7										
	38.98 *	37.06 *	40.31 *	41.25 *	38.40 *	30.54 *	17.95 *	11.86 *	4.91	1.30
-9										
	38.57 *	36.64 *	39.75 *	40.53 *	37.44 *	29.40 *	17.05 *	11.26 *	4.80	1.28
-11										
	38.09 *	36.12 *	39.10 *	39.62 *	36.28 *	28.35 *	16.34 *	10.78 *	4.69	1.25
-13										
	37.58 *	35.59 *	38.40 *	38.64 *	35.08 *	27.27 *	15.69 *	10.39 *	4.57	1.23
-15										
	37.15 *	35.14 *	37.80 *	37.82 *	34.01 *	26.07 *	14.88 *	9.90 *	4.41	1.20
-17										
	45.92 *	43.39 *	46.51 *	46.17 *	41.11 *	30.90 *	17.32 *	11.62 *	5.26	1.46
-19.5										
	53.30 *	50.25 *	53.70 *	52.96 *	46.61 *	34.54 *	19.14 *	12.88 *	5.96	1.69
-22.5										
	49.95 *	46.90 *	49.91 *	48.96 *	42.67 *	31.53 *	17.55 *	11.82 *	5.59	1.61

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LUMENS TABULATION - (Cont.)

-25.5	52.57 *	49.16 *	52.05 *	50.78 *	44.06 *	32.46 *	18.06 *	12.35 *	6.04	1.76
-29	51.13 *	47.57 *	50.13 *	48.73 *	42.17 *	31.01 *	17.39 *	12.30 *	6.26	1.83
-33	45.89 *	42.19 *	44.03 *	42.45 *	36.62 *	27.18 *	15.80 *	11.80	6.25	1.82
-37.5	36.70 *	33.04 *	33.74 *	31.96 *	27.36 *	20.69 *	12.73 *	10.36	5.92	1.73
-42.5	24.22 *	21.17 *	20.86 *	19.22 *	16.38 *	12.84	8.62	7.88	4.90	1.42
-47.5	24.10 *	20.71 *	20.10 *	18.25 *	15.61	12.70	9.10	8.82	5.61	1.60
-55	17.31	15.06	14.81	13.64	11.87	9.83	7.13	6.94	4.37	1.20
-65	5.96	5.34	5.44	5.21	4.76	4.12	3.07	3.00	1.85	0.50
-75	2.04	1.86	1.95	1.95	1.86	1.66	1.27	1.24	0.75	0.21
-85	0.27	0.25	0.26	0.26	0.25	0.23	0.18	0.18	0.12	0.05
-90										
Total	1485.74	1388.19	1477.54	1468.7	1322.94	1027.62	606.72	428.28	203.70	57.04

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.05	0.00		5.08
85				
	0.10	0.01		33.41
75				
	0.12	0.01		94.88
65				
	0.19	0.01		273.56
55				
	0.22	0.00		380.44
47.5				
	0.19	0.00		369.40
42.5				
	0.23	0.00		531.12
37.5				
	0.24	0.00		642.99
33				
	0.25	0.00		703.48
29				
	0.24	0.00		716.00
25.5				
	0.22	0.00		678.34
22.5				
	0.23	0.00		723.70
19.5				
	0.20	0.00		626.16
17				
	0.17	0.00		510.09
15				
	0.17	0.00		518.57

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LUMENS TABULATION - (Cont.)

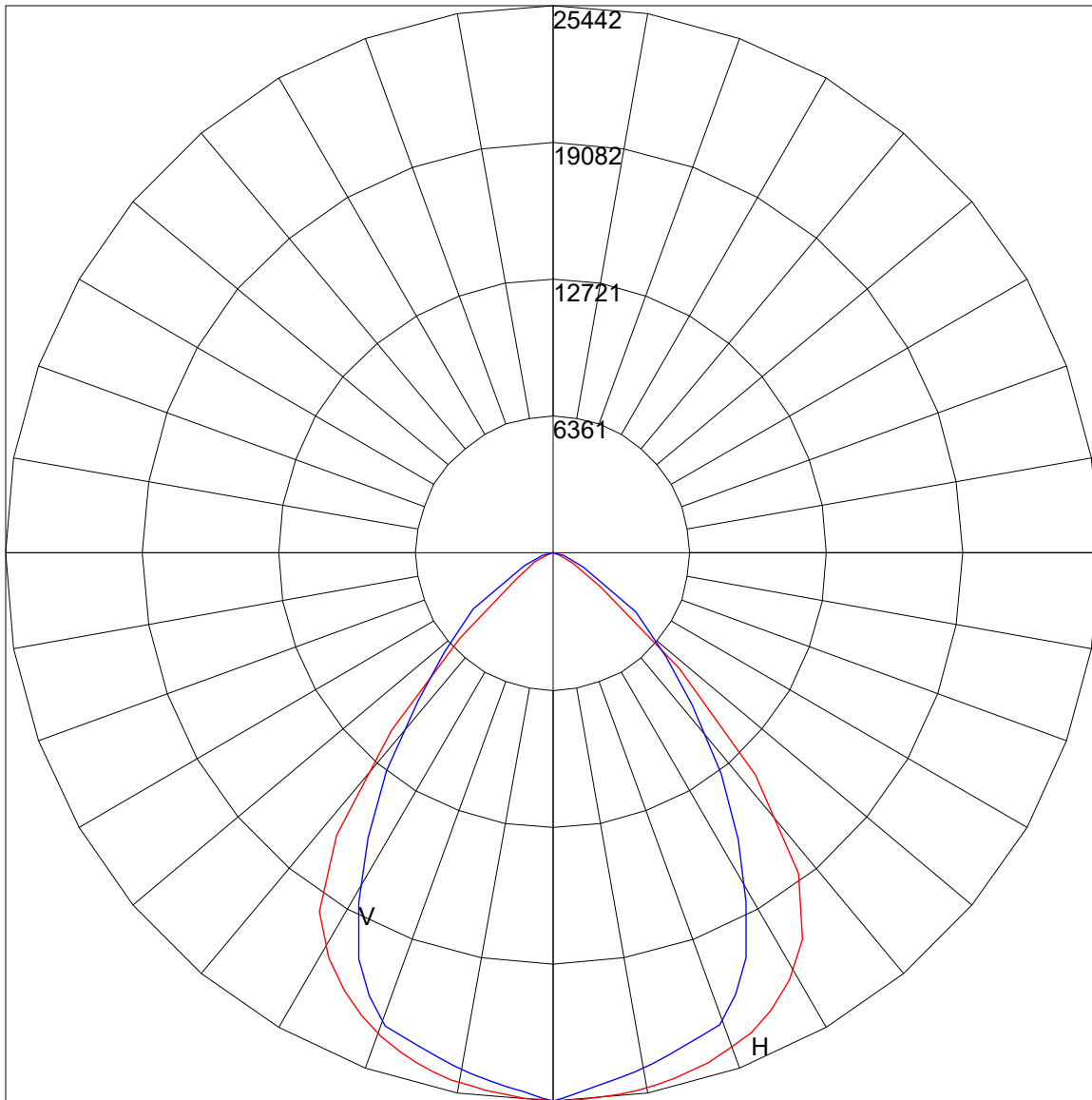
13	0.17	0.00	527.46
11	0.18	0.00	536.13
9	0.18	0.00	544.25
7	0.18	0.00	552.01
5	0.19	0.00	560.30
3	0.19	0.00	569.06
1	0.09	0.00	287.69
0	0.09	0.00	287.66
-1	0.19	0.00	568.85
-3	0.18	0.00	559.88
-5	0.18	0.00	551.37
-7	0.18	0.00	543.38
-9	0.18	0.00	535.03
-11	0.17	0.00	526.16
-13	0.17	0.00	517.09
-15	0.16	0.00	508.39
-17	0.20	0.00	623.73
-19.5	0.22	0.00	720.22
-22.5	0.21	0.00	674.14
-25.5	0.23	0.00	709.90
-29	0.24	0.00	694.71
-33	0.23	0.00	630.94
-37.5	0.21	0.00	514.94
-42.5	0.17	0.00	352.05
-47.5	0.18	0.00	359.36
-55	0.14	0.00	259.48
-65	0.07	0.00	90.89
-75	0.04	0.00	31.67

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LUMENS TABULATION - (Cont.)

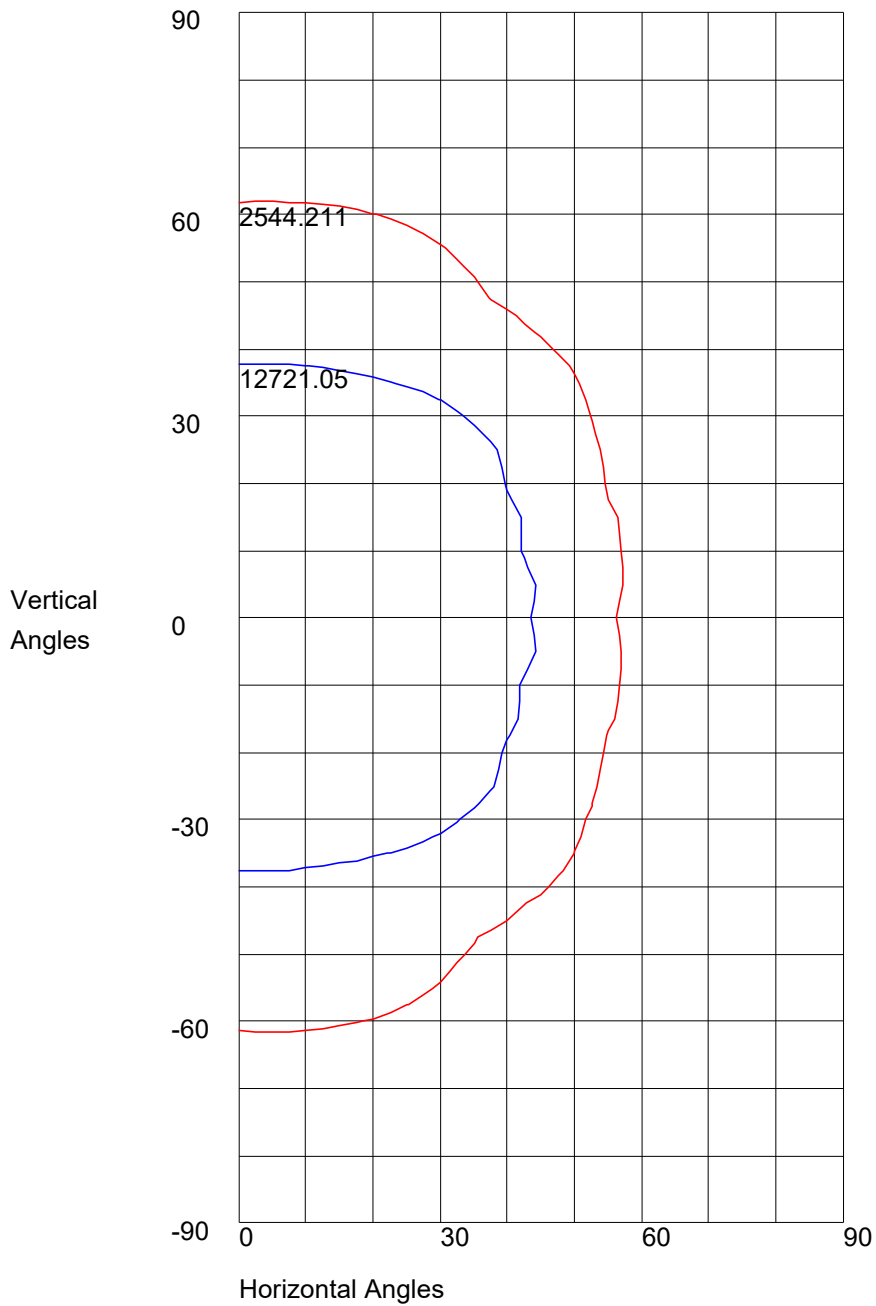
-85	0.01	0.00	4.29
-90			
Total	7.62	0.09	20648.25

AXIAL CANDELA DISPLAY



Maximum Candela = 25442.107 Located At Horizontal Angle = 1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 25442.107 Located At Horizontal Angle = 1, Vertical Angle = 0
50% Maximum Candela = 12721.0535
10% Maximum Candela = 2544.2107