



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFK SEL140 76 UV 8SEL [100W, 3000K].IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] BLC2112016E-I
[ISSUEDATE] 2021-12-15 12:03
[MANUFAC] LumenFocus, LLC.
[LUMCAT] PFK SEL140 76 UV 8SEL [100W, 3000K]
[LUMINAIRE]
[LAMPCAT]
[LAMP]
[_VOLTAGE] 120.0 V
[_CURRENT] 1.168 A
[_POWERFACTOR] 0.997
[_THD] 4.77
[TESTLAB] UTEST TECHNICAL LABORATORY
[_TESTINST] GPM-3000
[_TESTDIST] 14.140 m [K=1.0000]
[_TESTTEMPERATURE] 25.1 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]
[BALLAST]
[BALLASTCAT]

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

CHARACTERISTICS

NEMA Type	7 H x 6 V
Maximum Candela	6229.186
Maximum Candela Angle	-1H 3V
Horizontal Beam Angle (50%)	108.9
Vertical Beam Angle (50%)	87.2
Horizontal Field Angle (10%)	143.8
Vertical Field Angle (10%)	116.3
Lumens Per Lamp	13383.79 (1 lamp)
Total Lamp Lumens	13383.79
Beam Lumens	10718
Beam Efficiency	80 %
Field Lumens	12974
Field Efficiency	97 %
Spill Lumens	457
Luminaire Lumens	13432
Total Efficiency	100 %
Total Luminaire Watts	100
Ballast Factor	1.00

IES FLOOD REPORT**PHOTOMETRIC FILENAME : PFK SEL140 76 UV 8SEL [100W, 3000K].IES****AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	0	85	0
75	314.361	75	61.979
65	1388.011	65	255.12
55	3128.655	55	947.097
47.5	4082.526	47.5	2418.569
42.5	4568.885	42.5	3657.213
37.5	4968.477	37.5	4548.312
33	5243.762	33	5138.208
29	5495.872	29	5508.861
25.5	5657.7	25.5	5725.86
22.5	5770.144	22.5	5856.071
19.5	5884.945	19.5	5959.642
17	5978.121	17	6029.85
15	6035.794	15	6076.057
13	6069.208	13	6116.698
11	6104.109	11	6151.221
9	6136.452	9	6182.757
7	6168.253	7	6206.955
5	6200.453	5	6215.101
3	6211.639	3	6220.675
1	6211.639	1	6223.255
0	6219.453	0	6219.453
-1	6222.01	-1	6212.936
-3	6218.646	-3	6196.206
-5	6201.939	-5	6179.356
-7	6175.795	-7	6149.049
-9	6158.409	-9	6106.643
-11	6122.438	-11	6063.415
-13	6087.673	-13	6010.548
-15	6047.651	-15	5946.117
-17	5999.279	-17	5880.193
-19.5	5911.493	-19.5	5792.463
-22.5	5822.088	-22.5	5660.683
-25.5	5710.454	-25.5	5498.399
-29	5540.337	-29	5230.358
-33	5296.984	-33	4799.084
-37.5	4992.191	-37.5	4089.303
-42.5	4593.275	-42.5	3076.154
-47.5	4087.036	-47.5	1918.447
-55	2959.953	-55	685.309
-65	1343.146	-65	215.701
-75	281.754	-75	58.577
-85	0	-85	6.389
-90	0	-90	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFK SEL140 76 UV 8SEL [100W, 3000K].IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 6715.75

Total Field Lumens (one side of beam only) = 6487.02

* 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.09	0.19	0.20	0.20	0.19	0.19	0.19	0.19	0.18	0.22
65	0.48	0.98	0.98	0.97	0.97	0.95	0.94	0.91	0.89	1.07
55	1.84	3.74	3.77	3.77	3.74	3.68	3.60	3.48	3.35	4.00
47.5	3.86 *	7.82 *	7.88 *	7.87 *	7.80 *	7.67 *	7.48 *	7.25 *	6.97 *	8.40 *
42.5	4.64 *	9.34 *	9.37 *	9.34 *	9.25 *	9.10 *	8.92 *	8.68 *	8.40 *	10.17 *
37.5	6.26 *	12.55 *	12.55 *	12.51 *	12.39 *	12.21 *	12.00 *	11.72 *	11.43 *	13.87 *
33	6.65 *	13.30 *	13.28 *	13.22 *	13.11 *	12.95 *	12.73 *	12.48 *	12.21 *	14.84 *
29	6.49 *	12.98 *	12.94 *	12.87 *	12.77 *	12.62 *	12.43 *	12.21 *	11.96 *	14.55 *
25.5	5.99 *	11.97 *	11.93 *	11.87 *	11.77 *	11.64 *	11.47 *	11.28 *	11.06 *	13.47 *
22.5	5.29 *	10.58 *	10.54 *	10.49 *	10.40 *	10.29 *	10.15 *	9.98 *	9.79 *	11.94 *
19.5	5.40 *	10.79 *	10.76 *	10.70 *	10.62 *	10.50 *	10.36 *	10.20 *	10.01 *	12.21 *
17	4.57 *	9.12 *	9.09 *	9.05 *	8.98 *	8.88 *	8.76 *	8.63 *	8.47 *	10.33 *
15	3.69 *	7.37 *	7.35 *	7.31 *	7.25 *	7.17 *	7.08 *	6.97 *	6.84 *	8.35 *
13	3.71 *	7.42 *	7.40 *	7.36 *	7.30 *	7.22 *	7.13 *	7.02 *	6.89 *	8.41 *
11	3.74 *	7.47 *	7.45 *	7.41 *	7.35 *	7.27 *	7.17 *	7.06 *	6.93 *	8.46 *
9	3.76 *	7.51 *	7.49 *	7.45 *	7.38 *	7.30 *	7.21 *	7.09 *	6.97 *	8.50 *
7	3.77 *	7.54 *	7.52 *	7.47 *	7.41 *	7.33 *	7.23 *	7.12 *	6.99 *	8.54 *
5	3.78 *	7.56 *	7.53 *	7.49 *	7.42 *	7.34 *	7.25 *	7.14 *	7.01 *	8.56 *
3	3.79 *	7.57 *	7.54 *	7.50 *	7.43 *	7.35 *	7.26 *	7.15 *	7.03 *	8.58 *
1	3.79 *	7.57 *	7.54 *	7.50 *	7.44 *	7.36 *	7.27 *	7.16 *	7.04 *	8.59 *
0	1.89 *	3.78 *	3.77 *	3.75 *	3.72 *	3.68 *	3.63 *	3.58 *	3.52 *	4.30 *
-1	1.89 *	3.78 *	3.77 *	3.75 *	3.72 *	3.68 *	3.63 *	3.58 *	3.52 *	4.30 *
-3	3.78 *	7.55 *	7.53 *	7.49 *	7.43 *	7.35 *	7.26 *	7.16 *	7.04 *	8.59 *
	3.77 *	7.53 *	7.50 *	7.47 *	7.41 *	7.34 *	7.25 *	7.14 *	7.02 *	8.57 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFK SEL140 76 UV 8SEL [100W, 3000K].IES

LUMENS TABULATION - (Cont.)

-5	3.76 *	7.50 *	7.48 *	7.43 *	7.38 *	7.31 *	7.22 *	7.11 *	6.99 *	8.54 *
-7	3.73 *	7.46 *	7.44 *	7.40 *	7.34 *	7.26 *	7.18 *	7.07 *	6.96 *	8.50 *
-9	3.71 *	7.41 *	7.39 *	7.35 *	7.29 *	7.22 *	7.13 *	7.02 *	6.91 *	8.44 *
-11	3.68 *	7.35 *	7.33 *	7.30 *	7.24 *	7.16 *	7.07 *	6.97 *	6.85 *	8.37 *
-13	3.64 *	7.28 *	7.27 *	7.23 *	7.17 *	7.10 *	7.01 *	6.90 *	6.79 *	8.29 *
-15	3.60 *	7.21 *	7.19 *	7.16 *	7.10 *	7.03 *	6.94 *	6.83 *	6.71 *	8.20 *
-17	4.45 *	8.89 *	8.87 *	8.83 *	8.77 *	8.68 *	8.56 *	8.43 *	8.28 *	10.11 *
-19.5	5.24 *	10.47 *	10.45 *	10.40 *	10.33 *	10.23 *	10.09 *	9.93 *	9.74 *	11.89 *
-22.5	5.10 *	10.21 *	10.19 *	10.14 *	10.07 *	9.97 *	9.83 *	9.67 *	9.49 *	11.57 *
-25.5	5.72 *	11.45 *	11.44 *	11.39 *	11.30 *	11.18 *	11.03 *	10.84 *	10.63 *	12.95 *
-29	6.12 *	12.25 *	12.24 *	12.19 *	12.10 *	11.96 *	11.78 *	11.57 *	11.34 *	13.80 *
-33	6.10 *	12.24 *	12.25 *	12.21 *	12.12 *	11.96 *	11.75 *	11.52 *	11.28 *	13.72 *
-37.5	5.47 *	11.00 *	11.03 *	11.01 *	10.92 *	10.76 *	10.57 *	10.31 *	10.04 *	12.19 *
-42.5	3.82 *	7.71 *	7.75 *	7.74 *	7.68 *	7.57 *	7.43 *	7.21 *	6.94 *	8.38 *
-47.5	2.99 *	6.06 *	6.12 *	6.12 *	6.08 *	5.99 *	5.85 *	5.66 *	5.41 *	6.52 *
-55	1.38	2.80	2.83	2.82	2.80	2.76	2.69	2.61	2.51	3.00
-65	0.42	0.84	0.84	0.84	0.83	0.82	0.80	0.78	0.75	0.90
-75	0.10	0.20	0.20	0.20	0.20	0.19	0.19	0.18	0.18	0.22
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	161.97	324.38	324.03	322.54	319.96	316.23	311.50	305.81	299.31	364.43

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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	0.26	0.24	0.26	0.28	0.29	0.29	0.23	0.25	0.20	0.06
75	1.23	1.18	1.31	1.38	1.36	1.26	1.05	1.20	0.84	0.23
65	4.65	4.52	4.96	5.09	4.86	4.42	3.66	4.02	2.64	0.70
55	9.75 *	9.32 *	10.15 *	10.35 *	9.71 *	8.57 *	6.69 *	6.87 *	4.28	1.09
47.5	11.71 *	11.04 *	11.96 *	12.30 *	11.70 *	10.28 *	7.74 *	7.61 *	4.55	1.11

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFK SEL140 76 UV 8SEL [100W, 3000K].IES

LUMENS TABULATION - (Cont.)

42.5	15.94 *	15.06 *	16.37 *	16.96 *	16.44 *	14.73 *	11.13 *	10.83 *	6.29 *	1.48
37.5	17.12 *	16.29 *	17.82 *	18.54 *	18.20 *	16.71 *	12.96 *	12.74 *	7.34 *	1.70
33	16.83 *	16.06 *	17.62 *	18.41 *	18.27 *	17.13 *	13.60 *	13.56 *	7.87 *	1.82
29	15.61 *	14.92 *	16.39 *	17.19 *	17.22 *	16.37 *	13.23 *	13.37 *	7.84 *	1.84
25.5	13.85 *	13.24 *	14.56 *	15.35 *	15.47 *	14.85 *	12.14 *	12.42 *	7.37 *	1.75
22.5	14.16 *	13.54 *	14.93 *	15.78 *	15.98 *	15.41 *	12.66 *	13.11 *	7.93 *	1.90 *
19.5	11.98 *	11.47 *	12.66 *	13.41 *	13.62 *	13.15 *	10.84 *	11.36 *	6.99 *	1.69 *
17	9.68 *	9.28 *	10.25 *	10.87 *	11.05 *	10.69 *	8.84 *	9.34 *	5.82 *	1.42 *
15	9.76 *	9.35 *	10.33 *	10.97 *	11.16 *	10.81 *	8.97 *	9.54 *	5.99 *	1.48 *
13	9.82 *	9.41 *	10.40 *	11.05 *	11.25 *	10.91 *	9.07 *	9.70 *	6.15 *	1.53 *
11	9.87 *	9.46 *	10.47 *	11.12 *	11.33 *	10.99 *	9.15 *	9.84 *	6.29 *	1.58 *
9	9.91 *	9.51 *	10.52 *	11.18 *	11.39 *	11.05 *	9.22 *	9.95 *	6.42 *	1.62 *
7	9.94 *	9.54 *	10.56 *	11.22 *	11.43 *	11.10 *	9.27 *	10.04 *	6.52 *	1.66 *
5	9.96 *	9.57 *	10.59 *	11.25 *	11.46 *	11.13 *	9.30 *	10.12 *	6.62 *	1.69 *
3	9.97 *	9.58 *	10.61 *	11.26 *	11.47 *	11.15 *	9.32 *	10.17 *	6.68 *	1.72 *
1	4.99 *	4.79 *	5.31 *	5.63 *	5.74 *	5.58 *	4.66 *	5.09 *	3.35 *	0.86 *
0	4.99 *	4.79 *	5.31 *	5.63 *	5.73 *	5.57 *	4.66 *	5.09 *	3.35 *	0.86 *
-1	9.97 *	9.57 *	10.60 *	11.25 *	11.45 *	11.13 *	9.30 *	10.14 *	6.65 *	1.71 *
-3	9.95 *	9.55 *	10.57 *	11.22 *	11.42 *	11.09 *	9.27 *	10.07 *	6.56 *	1.68 *
-5	9.91 *	9.51 *	10.52 *	11.17 *	11.38 *	11.04 *	9.21 *	9.96 *	6.44 *	1.64 *
-7	9.87 *	9.46 *	10.47 *	11.11 *	11.32 *	10.97 *	9.14 *	9.83 *	6.31 *	1.59 *
-9	9.80 *	9.40 *	10.40 *	11.04 *	11.24 *	10.89 *	9.05 *	9.69 *	6.16 *	1.55 *
-11	9.72 *	9.32 *	10.32 *	10.95 *	11.14 *	10.79 *	8.95 *	9.52 *	6.00 *	1.49 *
-13	9.63 *	9.24 *	10.22 *	10.85 *	11.03 *	10.67 *	8.83 *	9.32 *	5.81 *	1.43 *
-15	9.52 *	9.13 *	10.10 *	10.72 *	10.90 *	10.52 *	8.67 *	9.08 *	5.60 *	1.37 *
-17	11.74 *	11.25 *	12.43 *	13.18 *	13.39 *	12.92 *	10.60 *	10.99 *	6.68 *	1.62 *
-19.5	13.80 *	13.22 *	14.59 *	15.42 *	15.62 *	15.06 *	12.32 *	12.58 *	7.51 *	1.81
-22.5	13.42 *	12.84 *	14.14 *	14.90 *	15.00 *	14.38 *	11.70 *	11.80 *	6.92 *	1.65

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFK SEL140 76 UV 8SEL [100W, 3000K].IES

LUMENS TABULATION - (Cont.)

-25.5	15.02 *	14.36 *	15.77 *	16.53 *	16.52 *	15.65 *	12.57 *	12.55 *	7.27 *	1.71
-29	15.96 *	15.24 *	16.72 *	17.43 *	17.21 *	16.05 *	12.67 *	12.51 *	7.18 *	1.67
-33	15.83 *	15.06 *	16.47 *	17.06 *	16.64 *	15.17 *	11.71 *	11.45 *	6.56 *	1.53
-37.5	14.05 *	13.35 *	14.50 *	14.91 *	14.32 *	12.78 *	9.73 *	9.46 *	5.47 *	1.33
-42.5	9.73 *	9.28 *	10.03 *	10.18 *	9.58 *	8.51 *	6.58 *	6.49 *	3.87	0.97
-47.5	7.66 *	7.42 *	8.08 *	8.13 *	7.56 *	6.81 *	5.49 *	5.71	3.58	0.93
-55	3.51	3.46	3.86	3.97	3.74	3.41	2.91	3.28	2.16	0.58
-65	1.04	1.00	1.09	1.14	1.12	1.04	0.88	1.02	0.69	0.19
-75	0.25	0.23	0.26	0.26	0.26	0.25	0.21	0.24	0.18	0.06
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
Total	422.34	404.08	444.49	466.65	466.03	441.30	358.17	371.93	228.98	56.34

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.00	0.00	0.12	
85	0.01	0.00	4.21	
75	0.02	0.00	20.21	
65	0.07	0.00	74.55	
55	0.10	0.00	149.86	
47.5	0.11	0.00	177.32	
42.5	0.14	0.00	242.86	
37.5	0.16	0.00	264.34	
33	0.17	0.00	263.15	
29	0.17	0.00	246.60	
25.5	0.16	0.00	220.62	
22.5	0.18	0.00	227.11	
19.5	0.16	0.00	193.21	
17	0.13	0.00	156.74	
15	0.14	0.00	158.38	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFK SEL140 76 UV 8SEL [100W, 3000K].IES

LUMENS TABULATION - (Cont.)

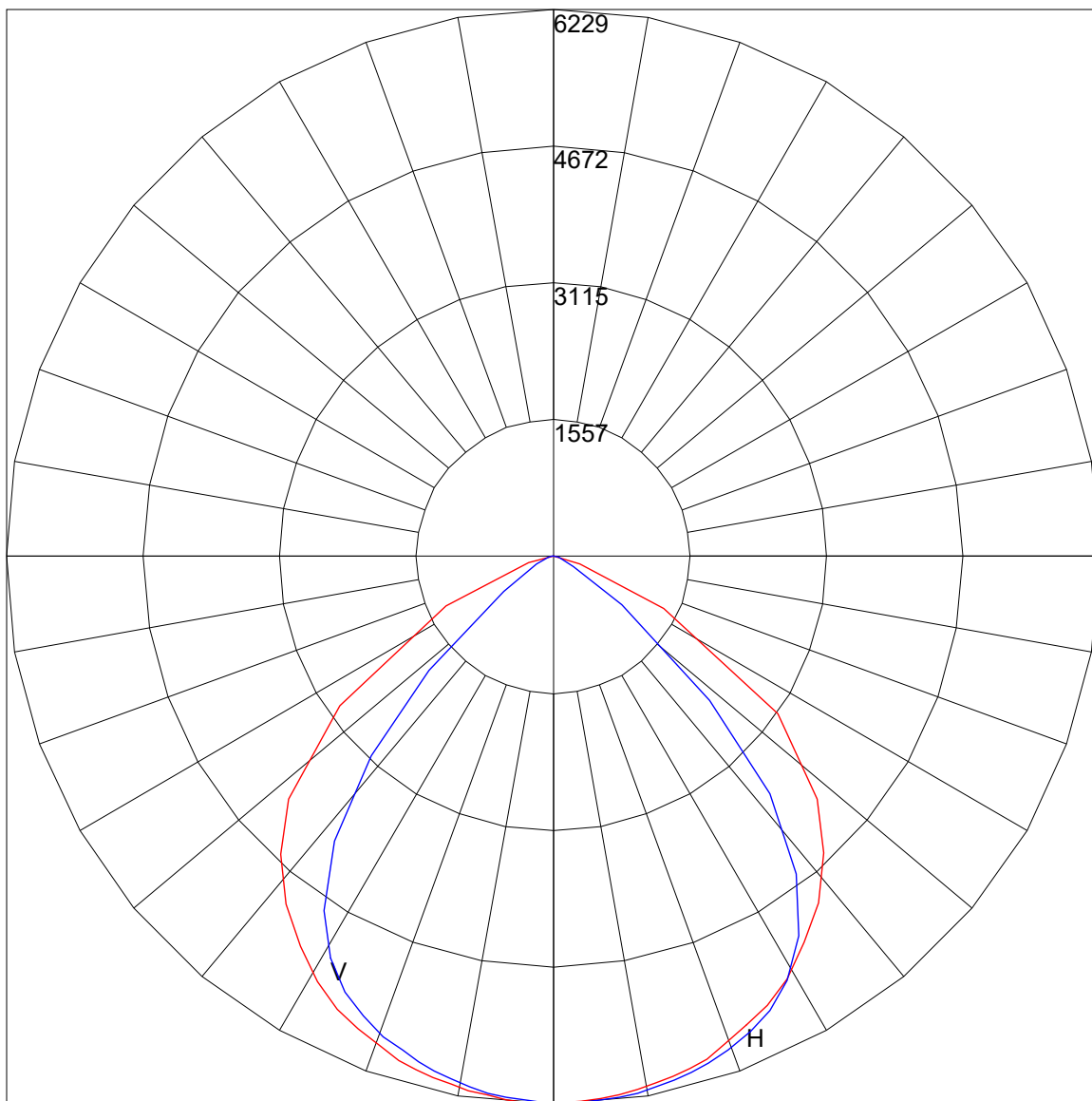
13	0.14	0.00	159.75
11	0.15	0.00	160.89
9	0.15	0.00	161.83
7	0.15	0.00	162.54
5	0.16	0.00	163.06
3	0.16	0.00	163.35
1	0.08	0.00	81.72
0	0.08	0.00	81.69
-1	0.16	0.00	163.09
-3	0.15	0.00	162.50
-5	0.15	0.00	161.65
-7	0.15	0.00	160.57
-9	0.14	0.00	159.23
-11	0.14	0.00	157.66
-13	0.13	0.00	155.83
-15	0.13	0.00	153.73
-17	0.15	0.00	188.82
-19.5	0.17	0.00	220.85
-22.5	0.16	0.00	213.13
-25.5	0.16	0.00	236.05
-29	0.16	0.00	248.15
-33	0.15	0.00	242.78
-37.5	0.13	0.00	213.34
-42.5	0.10	0.00	147.54
-47.5	0.09	0.00	118.27
-55	0.06	0.00	57.16
-65	0.02	0.00	17.04
-75	0.01	0.00	4.06

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFK SEL140 76 UV 8SEL [100W, 3000K].IES

LUMENS TABULATION - (Cont.)

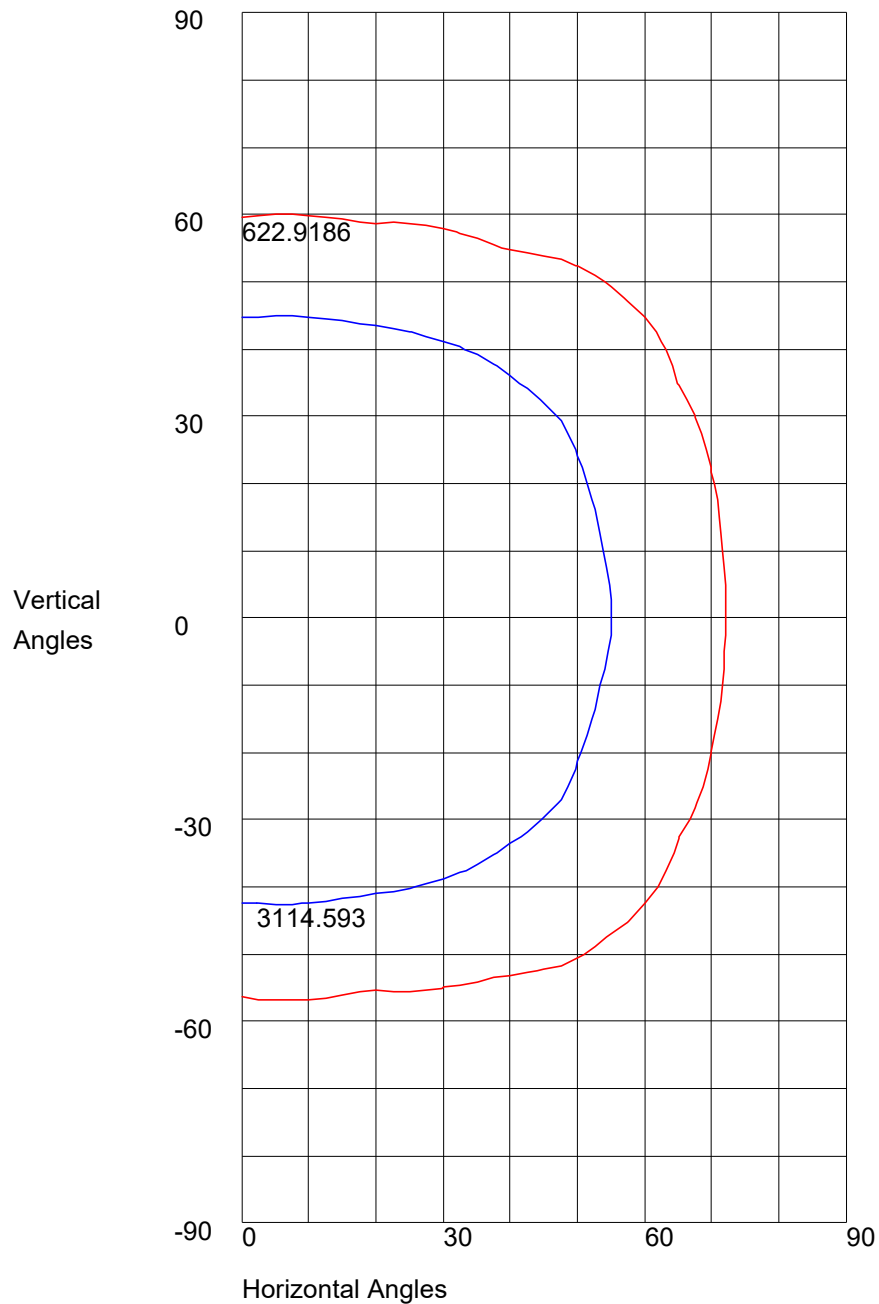
-85	0.00	0.00	0.21
-90			
Total	5.30	0.00	6715.76

AXIAL CANDELA DISPLAY



Maximum Candela = 6229.186 Located At Horizontal Angle = -1, Vertical Angle = 3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 6229.186 Located At Horizontal Angle = -1, Vertical Angle = 3
50% Maximum Candela = 3114.593
10% Maximum Candela = 622.9186