



IES FLOOD REPORT

PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-50-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-12620

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUEDATE] 04/01/21

[TESTDATE] 03/17/21

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] PFL-LED-24L-PC-WF-50-80-HGS

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] SCALED FROM ORIGINAL TEST DATA

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

[SEARCH_COLORTEMP] 4000

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

CHARACTERISTICS

NEMA Type	5 H x 5 V
Maximum Candela	18939
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	61.0
Vertical Beam Angle (50%)	63.2
Horizontal Field Angle (10%)	94.8
Vertical Field Angle (10%)	99.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	13443
Beam Efficiency	N.A.
Field Lumens	18965
Field Efficiency	N.A.
Spill Lumens	1448
Luminaire Lumens	20413
Total Efficiency	N.A.
Total Luminaire Watts	200
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	7	85	20
75	29	75	116
65	148	65	315
55	703	55	943
47.5	1880	47.5	2273
42.5	3043	42.5	3729
37.5	4903	37.5	5571
33	7552	33	8148
29	10503	29	11112
25.5	13011	25.5	13350
22.5	14859	22.5	14707
19.5	16279	19.5	15689
17	17298	17	16409
15	17895	15	16915
13	18192	13	17361
11	18416	11	17768
9	18576	9	18128
7	18682	7	18436
5	18740	5	18679
3	18766	3	18865
1	18814	1	18869
0	18841	0	18841
-1	18814	-1	18880
-3	18766	-3	18939
-5	18740	-5	18938
-7	18682	-7	18848
-9	18576	-9	18687
-11	18416	-11	18468
-13	18192	-13	18189
-15	17895	-15	17834
-17	17298	-17	17396
-19.5	16279	-19.5	16829
-22.5	14859	-22.5	15590
-25.5	13011	-25.5	13710
-29	10503	-29	11926
-33	7552	-33	8583
-37.5	4903	-37.5	5263
-42.5	3043	-42.5	3395
-47.5	1880	-47.5	2268
-55	703	-55	829
-65	148	-65	229
-75	29	-75	7
-85	7	-85	5
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 18939

Beam Edge = 9469.5 Cd (50% of Max.)

Field Edge = 1893.9 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	1	4	8	12	14	15	15	16	17
75.0	0	3	9	13	19	28	39	49	59	72
65.0	0	4	11	20	52	90	121	157	188	217
55.0	0	5	14	41	124	219	297	385	475	558
47.5	0	6	17	61	198	369	513	700	898	1094
42.5	0	6	20	77	257	496	716	1013	1340	1679
37.5	0	6	22	93	326	658	987	1442	1946 *	2472 *
33.0	0	7	24	108	392	822	1273	1901 *	2576 *	3271 *
29.0	0	7	26	120	445	987	1550	2336 *	3177 *	4112 *
25.5	0	7	27	129	499	1129	1803	2736 *	3755 *	4929 *
22.5	0	7	28	136	539	1269	2027 *	3076 *	4292 *	5754 *
19.5	0	7	29	143	576	1391	2251 *	3434 *	4833 *	6639 *
17.0	0	7	30	147	611	1489	2403 *	3725 *	5359 *	7380 *
15.0	0	7	30	149	635	1576	2535 *	3938 *	5776 *	7925 *
13.0	0	7	30	150	655	1651	2674 *	4178 *	6139 *	8536 *
11.0	0	7	30	150	672	1714	2794 *	4385 *	6501 *	9084 *
9.0	0	7	30	151	684	1765	2887 *	4553 *	6835 *	9562 *
7.0	0	7	30	152	693	1805	2954 *	4686 *	7101 *	9930 *
5.0	0	7	30	152	702	1835	2996 *	4784 *	7298 *	10209 *
3.0	0	7	30	151	711	1874	3047 *	4853 *	7429 *	10405 *
1.0	0	7	29	149	706	1878	3044 *	4900 *	7528 *	10495 *
0.0	0	7	29	148	703	1880	3043 *	4903 *	7552 *	10503 *
-1.0	0	7	29	148	703	1877	3048 *	4931 *	7588 *	10562 *
-3.0	0	7	29	147	704	1872	3057 *	4943 *	7608 *	10602 *
-5.0	0	7	28	145	690	1831	3010 *	4903 *	7520 *	10480 *
-7.0	0	7	28	142	678	1799	2970 *	4813 *	7355 *	10273 *
-9.0	0	7	27	139	665	1759	2910 *	4681 *	7118 *	9967 *
-11.0	0	7	27	135	647	1707	2830 *	4511 *	6814 *	9561 *
-13.0	0	7	26	132	626	1643	2732 *	4306 *	6468 *	9079 *
-15.0	0	7	25	128	600	1569	2610 *	4069 *	6120 *	8525 *
-17.0	0	6	25	123	570	1483	2461 *	3843 *	5724 *	7985 *
-19.5	0	6	24	117	527	1372	2263 *	3505 *	5154 *	7137 *
-22.5	0	6	23	107	480	1223	2007 *	3059 *	4481 *	6104 *
-25.5	0	6	21	98	430	1049	1764	2653 *	3803 *	5119 *
-29.0	0	6	19	87	363	879	1453	2183 *	3074 *	4090 *
-33.0	0	5	17	73	302	695	1111	1699	2329 *	3077 *
-37.5	0	5	16	58	237	526	809	1217	1668	2158 *
-42.5	0	5	14	44	174	377	566	834	1128	1438
-47.5	0	4	12	32	120	264	392	568	749	963
-55.0	0	4	9	18	57	125	187	259	339	414
-65.0	0	3	6	10	14	27	45	68	91	113
-75.0	0	2	3	4	5	6	6	7	7	8
-85.0	0	1	1	2	2	3	3	3	3	4
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	18	18	18	19	19	19	20	20	20	19
75.0	84	93	100	106	109	111	113	113	114	116
65.0	242	262	279	292	302	309	313	315	316	315
55.0	636	692	751	810	851	885	909	922	930	943
47.5	1272	1464	1631	1762	1873	1973 *	2061 *	2133 *	2190 *	2223 *
42.5	2007 *	2302 *	2621 *	2863 *	3037 *	3207 *	3364 *	3489 *	3582 *	3651 *
37.5	2984 *	3420 *	3880 *	4248 *	4511 *	4778 *	5014 *	5212 *	5355 *	5462 *
33.0	3969 *	4625 *	5299 *	5876 *	6307 *	6698 *	7112 *	7478 *	7750 *	7954 *
29.0	5073 *	6029 *	7003 *	7827 *	8504 *	9192 *	9723 *	10172 *	10545 *	10838 *
25.5	6231 *	7488 *	8797 *	9983 *	10755 *	11406 *	11981 *	12452 *	12837 *	13099 *
22.5	7349 *	8887 *	10433 *	11600 *	12432 *	13041 *	13546 *	13931 *	14260 *	14492 *
19.5	8501 *	10245 *	11791 *	12935 *	13737 *	14351 *	14793 *	15110 *	15363 *	15531 *
17.0	9483 *	11243 *	12775 *	13889 *	14687 *	15191 *	15608 *	15904 *	16117 *	16249 *
15.0	10182 *	11963 *	13448 *	14587 *	15282 *	15807 *	16150 *	16445 *	16646 *	16767 *
13.0	10817 *	12614 *	14062 *	15173 *	15902 *	16316 *	16661 *	16922 *	17130 *	17248 *
11.0	11426 *	13213 *	14625 *	15766 *	16389 *	16807 *	17112 *	17361 *	17558 *	17670 *
9.0	11917 *	13673 *	15086 *	16155 *	16839 *	17212 *	17502 *	17727 *	17909 *	18031 *
7.0	12322 *	14076 *	15495 *	16543 *	17163 *	17561 *	17824 *	18016 *	18193 *	18321 *
5.0	12646 *	14413 *	15813 *	16869 *	17425 *	17807 *	18082 *	18262 *	18392 *	18518 *
3.0	12879 *	14673 *	16055 *	17090 *	17673 *	18004 *	18238 *	18426 *	18572 *	18646 *
1.0	12994 *	14839 *	16220 *	17240 *	17880 *	18175 *	18398 *	18550 *	18653 *	18715 *
0.0	13011 *	14859 *	16279 *	17298 *	17895 *	18192 *	18416 *	18576 *	18682 *	18740 *
-1.0	13056 *	14912 *	16291 *	17300 *	17932 *	18223 *	18446 *	18615 *	18731 *	18775 *
-3.0	13053 *	14873 *	16259 *	17297 *	17896 *	18238 *	18480 *	18664 *	18804 *	18847 *
-5.0	12908 *	14714 *	16141 *	17227 *	17815 *	18212 *	18493 *	18648 *	18738 *	18819 *
-7.0	12671 *	14474 *	15964 *	17063 *	17712 *	18109 *	18348 *	18508 *	18634 *	18759 *
-9.0	12356 *	14169 *	15677 *	16798 *	17487 *	17865 *	18134 *	18323 *	18492 *	18600 *
-11.0	11955 *	13803 *	15307 *	16453 *	17099 *	17556 *	17852 *	18099 *	18276 *	18362 *
-13.0	11448 *	13326 *	14865 *	15976 *	16720 *	17180 *	17531 *	17806 *	17963 *	18057 *
-15.0	10917 *	12797 *	14369 *	15511 *	16227 *	16778 *	17131 *	17409 *	17561 *	17692 *
-17.0	10292 *	12178 *	13778 *	14907 *	15715 *	16248 *	16666 *	16936 *	17127 *	17267 *
-19.5	9407 *	11153 *	12905 *	14017 *	14844 *	15495 *	15959 *	16257 *	16492 *	16667 *
-22.5	8030 *	9716 *	11286 *	12456 *	13283 *	13955 *	14473 *	14836 *	15188 *	15470 *
-25.5	6590 *	8104 *	9581 *	10600 *	11429 *	12090 *	12572 *	13072 *	13401 *	13574 *
-29.0	5180 *	6232 *	7402 *	8479 *	9274 *	9967 *	10589 *	11194 *	11629 *	11790 *
-33.0	3808 *	4512 *	5221 *	5937 *	6438 *	6889 *	7421 *	7877 *	8192 *	8403 *
-37.5	2620 *	3034 *	3527 *	3917 *	4193 *	4530 *	4834 *	5090 *	5209 *	5257 *
-42.5	1751	2035 *	2322 *	2540 *	2724 *	2900 *	3059 *	3177 *	3264 *	3332 *
-47.5	1164	1343	1528	1686	1809	1921 *	2021 *	2092 *	2152 *	2202 *
-55.0	495	560	628	688	732	772	799	817	829	836
-65.0	132	148	166	181	192	202	210	216	222	226
-75.0	8	9	9	9	9	9	9	8	8	8
-85.0	4	4	5	5	5	5	5	5	5	5
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	19	20	20	20	19	19	20	20	20	19
75.0	116	116	116	116	116	116	114	113	113	111
65.0	316	315	315	315	316	315	316	315	313	309

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CANDELA TABULATION - (Cont.)

55.0	955	947	943	947	955	943	930	922	909	885
47.5	2248 *	2265 *	2273 *	2265 *	2248 *	2223 *	2190 *	2133 *	2061 *	1973 *
42.5	3725 *	3728 *	3729 *	3728 *	3725 *	3651 *	3582 *	3489 *	3364 *	3207 *
37.5	5578 *	5587 *	5571 *	5587 *	5578 *	5462 *	5355 *	5212 *	5014 *	4778 *
33.0	8125 *	8163 *	8148 *	8163 *	8125 *	7954 *	7750 *	7478 *	7112 *	6698 *
29.0	11055 *	11128 *	11112 *	11128 *	11055 *	10838 *	10545 *	10172 *	9723 *	9192 *
25.5	13278 *	13362 *	13350 *	13362 *	13278 *	13099 *	12837 *	12452 *	11981 *	11406 *
22.5	14643 *	14727 *	14707 *	14727 *	14643 *	14492 *	14260 *	13931 *	13546 *	13041 *
19.5	15663 *	15697 *	15689 *	15697 *	15663 *	15531 *	15363 *	15110 *	14793 *	14351 *
17.0	16343 *	16382 *	16409 *	16382 *	16343 *	16249 *	16117 *	15904 *	15608 *	15191 *
15.0	16853 *	16885 *	16915 *	16885 *	16853 *	16767 *	16646 *	16445 *	16150 *	15807 *
13.0	17325 *	17316 *	17361 *	17316 *	17325 *	17248 *	17130 *	16922 *	16661 *	16316 *
11.0	17744 *	17726 *	17768 *	17726 *	17744 *	17670 *	17558 *	17361 *	17112 *	16807 *
9.0	18098 *	18114 *	18128 *	18114 *	18098 *	18031 *	17909 *	17727 *	17502 *	17212 *
7.0	18398 *	18441 *	18436 *	18441 *	18398 *	18321 *	18193 *	18016 *	17824 *	17561 *
5.0	18616 *	18683 *	18679 *	18683 *	18616 *	18518 *	18392 *	18262 *	18082 *	17807 *
3.0	18734 *	18842 *	18865 *	18842 *	18734 *	18646 *	18572 *	18426 *	18238 *	18004 *
1.0	18768 *	18840 *	18869 *	18840 *	18768 *	18715 *	18653 *	18550 *	18398 *	18175 *
0.0	18766 *	18814 *	18841 *	18814 *	18766 *	18740 *	18682 *	18576 *	18416 *	18192 *
-1.0	18830 *	18851 *	18880 *	18851 *	18830 *	18775 *	18731 *	18615 *	18446 *	18223 *
-3.0	18860 *	18916 *	18939 *	18916 *	18860 *	18847 *	18804 *	18664 *	18480 *	18238 *
-5.0	18881 *	18912 *	18938 *	18912 *	18881 *	18819 *	18738 *	18648 *	18493 *	18212 *
-7.0	18812 *	18828 *	18848 *	18828 *	18812 *	18759 *	18634 *	18508 *	18348 *	18109 *
-9.0	18655 *	18665 *	18687 *	18665 *	18655 *	18600 *	18492 *	18323 *	18134 *	17865 *
-11.0	18421 *	18430 *	18468 *	18430 *	18421 *	18362 *	18276 *	18099 *	17852 *	17556 *
-13.0	18123 *	18140 *	18189 *	18140 *	18123 *	18057 *	17963 *	17806 *	17531 *	17180 *
-15.0	17767 *	17802 *	17834 *	17802 *	17767 *	17692 *	17561 *	17409 *	17131 *	16778 *
-17.0	17333 *	17363 *	17396 *	17363 *	17333 *	17267 *	17127 *	16936 *	16666 *	16248 *
-19.5	16738 *	16788 *	16829 *	16788 *	16738 *	16667 *	16492 *	16257 *	15959 *	15495 *
-22.5	15604 *	15636 *	15590 *	15636 *	15604 *	15470 *	15188 *	14836 *	14473 *	13955 *
-25.5	13655 *	13698 *	13710 *	13698 *	13655 *	13574 *	13401 *	13072 *	12572 *	12090 *
-29.0	11897 *	11935 *	11926 *	11935 *	11897 *	11790 *	11629 *	11194 *	10589 *	9967 *
-33.0	8528 *	8583 *	8583 *	8583 *	8528 *	8403 *	8192 *	7877 *	7421 *	6889 *
-37.5	5244 *	5272 *	5263 *	5272 *	5244 *	5257 *	5209 *	5090 *	4834 *	4530 *
-42.5	3399 *	3396 *	3395 *	3396 *	3399 *	3332 *	3264 *	3177 *	3059 *	2900 *
-47.5	2253 *	2263 *	2268 *	2263 *	2253 *	2202 *	2152 *	2092 *	2021 *	1921 *
-55.0	843	834	829	834	843	836	829	817	799	772
-65.0	230	229	229	229	230	226	222	216	210	202
-75.0	8	7	7	7	8	8	8	8	9	9
-85.0	5	5	5	5	5	5	5	5	5	5
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	19	19	18	18	18	17	16	15	15	14
75.0	109	106	100	93	84	72	59	49	39	28
65.0	302	292	279	262	242	217	188	157	121	90
55.0	851	810	751	692	636	558	475	385	297	219
47.5	1873	1762	1631	1464	1272	1094	898	700	513	369
42.5	3037 *	2863 *	2621 *	2302 *	2007 *	1679	1340	1013	716	496
37.5	4511 *	4248 *	3880 *	3420 *	2984 *	2472 *	1946 *	1442	987	658
33.0	6307 *	5876 *	5299 *	4625 *	3969 *	3271 *	2576 *	1901 *	1273	822
29.0	8504 *	7827 *	7003 *	6029 *	5073 *	4112 *	3177 *	2336 *	1550	987
25.5	10755 *	9983 *	8797 *	7488 *	6231 *	4929 *	3755 *	2736 *	1803	1129

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CANDELA TABULATION - (Cont.)

22.5	12432 *	11600 *	10433 *	8887 *	7349 *	5754 *	4292 *	3076 *	2027 *	1269
19.5	13737 *	12935 *	11791 *	10245 *	8501 *	6639 *	4833 *	3434 *	2251 *	1391
17.0	14687 *	13889 *	12775 *	11243 *	9483 *	7380 *	5359 *	3725 *	2403 *	1489
15.0	15282 *	14587 *	13448 *	11963 *	10182 *	7925 *	5776 *	3938 *	2535 *	1576
13.0	15902 *	15173 *	14062 *	12614 *	10817 *	8536 *	6139 *	4178 *	2674 *	1651
11.0	16389 *	15766 *	14625 *	13213 *	11426 *	9084 *	6501 *	4385 *	2794 *	1714
9.0	16839 *	16155 *	15086 *	13673 *	11917 *	9562 *	6835 *	4553 *	2887 *	1765
7.0	17163 *	16543 *	15495 *	14076 *	12322 *	9930 *	7101 *	4686 *	2954 *	1805
5.0	17425 *	16869 *	15813 *	14413 *	12646 *	10209 *	7298 *	4784 *	2996 *	1835
3.0	17673 *	17090 *	16055 *	14673 *	12879 *	10405 *	7429 *	4853 *	3047 *	1874
1.0	17880 *	17240 *	16220 *	14839 *	12994 *	10495 *	7528 *	4900 *	3044 *	1878
0.0	17895 *	17298 *	16279 *	14859 *	13011 *	10503 *	7552 *	4903 *	3043 *	1880
-1.0	17932 *	17300 *	16291 *	14912 *	13056 *	10562 *	7588 *	4931 *	3048 *	1877
-3.0	17896 *	17297 *	16259 *	14873 *	13053 *	10602 *	7608 *	4943 *	3057 *	1872
-5.0	17815 *	17227 *	16141 *	14714 *	12908 *	10480 *	7520 *	4903 *	3010 *	1831
-7.0	17712 *	17063 *	15964 *	14474 *	12671 *	10273 *	7355 *	4813 *	2970 *	1799
-9.0	17487 *	16798 *	15677 *	14169 *	12356 *	9967 *	7118 *	4681 *	2910 *	1759
-11.0	17099 *	16453 *	15307 *	13803 *	11955 *	9561 *	6814 *	4511 *	2830 *	1707
-13.0	16720 *	15976 *	14865 *	13326 *	11448 *	9079 *	6468 *	4306 *	2732 *	1643
-15.0	16227 *	15511 *	14369 *	12797 *	10917 *	8525 *	6120 *	4069 *	2610 *	1569
-17.0	15715 *	14907 *	13778 *	12178 *	10292 *	7985 *	5724 *	3843 *	2461 *	1483
-19.5	14844 *	14017 *	12905 *	11153 *	9407 *	7137 *	5154 *	3505 *	2263 *	1372
-22.5	13283 *	12456 *	11286 *	9716 *	8030 *	6104 *	4481 *	3059 *	2007 *	1223
-25.5	11429 *	10600 *	9581 *	8104 *	6590 *	5119 *	3803 *	2653 *	1764 *	1049
-29.0	9274 *	8479 *	7402 *	6232 *	5180 *	4090 *	3074 *	2183 *	1453 *	879
-33.0	6438 *	5937 *	5221 *	4512 *	3808 *	3077 *	2329 *	1699 *	1111 *	695
-37.5	4193 *	3917 *	3527 *	3034 *	2620 *	2158 *	1668 *	1217 *	809 *	526
-42.5	2724 *	2540 *	2322 *	2035 *	1751 *	1438 *	1128 *	834 *	566 *	377
-47.5	1809 *	1686 *	1528 *	1343 *	1164 *	963 *	749 *	568 *	392 *	264
-55.0	732 *	688 *	628 *	560 *	495 *	414 *	339 *	259 *	187 *	125
-65.0	192 *	181 *	166 *	148 *	132 *	113 *	91 *	68 *	45 *	27
-75.0	9 *	9 *	9 *	9 *	8 *	8 *	7 *	7 *	6 *	6
-85.0	5 *	5 *	5 *	4 *	4 *	4 *	3 *	3 *	3 *	3
-90.0	0 *	0 *	0 *	0 *	0 *	0 *	0 *	0 *	0 *	0

Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	12	8	4	1	0
75.0	19	13	9	3	0
65.0	52	20	11	4	0
55.0	124	41	14	5	0
47.5	198	61	17	6	0
42.5	257	77	20	6	0
37.5	326	93	22	6	0
33.0	392	108	24	7	0
29.0	445	120	26	7	0
25.5	499	129	27	7	0
22.5	539	136	28	7	0
19.5	576	143	29	7	0
17.0	611	147	30	7	0
15.0	635	149	30	7	0
13.0	655	150	30	7	0
11.0	672	150	30	7	0
9.0	684	151	30	7	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	693	152	30	7	0
5.0	702	152	30	7	0
3.0	711	151	30	7	0
1.0	706	149	29	7	0
0.0	703	148	29	7	0
-1.0	703	148	29	7	0
-3.0	704	147	29	7	0
-5.0	690	145	28	7	0
-7.0	678	142	28	7	0
-9.0	665	139	27	7	0
-11.0	647	135	27	7	0
-13.0	626	132	26	7	0
-15.0	600	128	25	7	0
-17.0	570	123	25	6	0
-19.5	527	117	24	6	0
-22.5	480	107	23	6	0
-25.5	430	98	21	6	0
-29.0	363	87	19	6	0
-33.0	302	73	17	5	0
-37.5	237	58	16	5	0
-42.5	174	44	14	5	0
-47.5	120	32	12	4	0
-55.0	57	18	9	4	0
-65.0	14	10	6	3	0
-75.0	5	4	3	2	0
-85.0	2	2	1	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-24L-PC-WF-50-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 10206.43

Total Field Lumens (one side of beam only) = 9482.36

* 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	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
75	0.21	0.41	0.41	0.41	0.40	0.40	0.39	0.38	0.37	0.44
65	0.66	1.31	1.31	1.30	1.29	1.28	1.26	1.23	1.18	1.40
55	1.92	3.86	3.84	3.79	3.74	3.69	3.60	3.47	3.30	3.85
47.5	3.67	7.32	7.26	7.14	6.98	6.78	6.51	6.19	5.82	6.72
42.5	4.57 *	9.11 *	9.00 *	8.82 *	8.59 *	8.28 *	7.90 *	7.46 *	6.98 *	8.02 *
37.5	7.09 *	14.17 *	13.99 *	13.67 *	13.30 *	12.81 *	12.19 *	11.48 *	10.73 *	12.30 *
33	9.41 *	18.80 *	18.54 *	18.08 *	17.51 *	16.75 *	15.82 *	14.83 *	13.80 *	15.70 *
29	11.74 *	23.42 *	23.08 *	22.47 *	21.68 *	20.69 *	19.50 *	18.15 *	16.70 *	18.81 *
25.5	13.05 *	26.01 *	25.67 *	25.09 *	24.28 *	23.27 *	22.06 *	20.61 *	18.99 *	21.27 *
22.5	12.83 *	25.58 *	25.30 *	24.85 *	24.20 *	23.36 *	22.33 *	21.12 *	19.66 *	22.14 *
19.5	13.89 *	27.73 *	27.50 *	27.10 *	26.54 *	25.82 *	24.91 *	23.75 *	22.27 *	25.36 *
17	12.22 *	24.39 *	24.23 *	23.95 *	23.56 *	23.03 *	22.32 *	21.42 *	20.22 *	23.23 *
15	10.14 *	20.23 *	20.12 *	19.93 *	19.64 *	19.23 *	18.70 *	18.02 *	17.11 *	19.78 *
13	10.43 *	20.82 *	20.72 *	20.54 *	20.25 *	19.85 *	19.35 *	18.71 *	17.84 *	20.71 *
11	10.69 *	21.34 *	21.27 *	21.09 *	20.80 *	20.42 *	19.93 *	19.33 *	18.51 *	21.56 *
9	10.93 *	21.82 *	21.74 *	21.56 *	21.28 *	20.91 *	20.45 *	19.88 *	19.08 *	22.29 *
7	11.14 *	22.24 *	22.14 *	21.95 *	21.67 *	21.32 *	20.89 *	20.33 *	19.53 *	22.88 *
5	11.31 *	22.57 *	22.44 *	22.24 *	21.98 *	21.65 *	21.24 *	20.68 *	19.91 *	23.40 *
3	11.43 *	22.79 *	22.64 *	22.46 *	22.22 *	21.90 *	21.49 *	20.96 *	20.22 *	23.80 *
1	11.49 *	22.89 *	22.75 *	22.59 *	22.38 *	22.08 *	21.69 *	21.20 *	20.46 *	24.08 *
0	5.74 *	11.44 *	11.39 *	11.33 *	11.23 *	11.09 *	10.90 *	10.66 *	10.29 *	12.12 *
-1	5.74 *	11.46 *	11.41 *	11.35 *	11.25 *	11.11 *	10.92 *	10.68 *	10.31 *	12.14 *
	11.51 *	22.97 *	22.88 *	22.77 *	22.57 *	22.26 *	21.87 *	21.37 *	20.62 *	24.28 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	11.53 *	23.00 *	22.91 *	22.78 *	22.58 *	22.28 *	21.88 *	21.33 *	20.56 *	24.20 *
-5	11.50 *	22.96 *	22.87 *	22.70 *	22.48 *	22.20 *	21.80 *	21.23 *	20.44 *	24.01 *
-7	11.43 *	22.82 *	22.74 *	22.56 *	22.31 *	21.99 *	21.59 *	21.04 *	20.22 *	23.68 *
-9	11.31 *	22.58 *	22.50 *	22.34 *	22.08 *	21.72 *	21.28 *	20.69 *	19.86 *	23.23 *
-11	11.15 *	22.26 *	22.17 *	22.01 *	21.76 *	21.38 *	20.89 *	20.26 *	19.40 *	22.64 *
-13	10.96 *	21.87 *	21.77 *	21.59 *	21.34 *	20.96 *	20.45 *	19.77 *	18.87 *	21.96 *
-15	10.72 *	21.39 *	21.29 *	21.10 *	20.82 *	20.44 *	19.91 *	19.20 *	18.26 *	21.18 *
-17	13.02 *	25.96 *	25.83 *	25.58 *	25.19 *	24.68 *	23.97 *	23.02 *	21.77 *	25.13 *
-19.5	14.81 *	29.57 *	29.39 *	29.00 *	28.40 *	27.68 *	26.76 *	25.53 *	23.98 *	27.48 *
-22.5	13.40 *	26.76 *	26.57 *	26.19 *	25.56 *	24.73 *	23.73 *	22.50 *	20.98 *	23.82 *
-25.5	13.66 *	27.27 *	27.07 *	26.72 *	26.02 *	24.90 *	23.58 *	22.12 *	20.38 *	22.82 *
-29	12.50 *	24.93 *	24.68 *	24.24 *	23.46 *	22.25 *	20.78 *	19.25 *	17.64 *	19.55 *
-33	9.49 *	18.92 *	18.75 *	18.44 *	17.90 *	17.02 *	15.87 *	14.66 *	13.50 *	15.13 *
-37.5	6.60 *	13.17 *	13.09 *	12.92 *	12.62 *	12.12 *	11.41 *	10.60 *	9.79 *	11.12 *
-42.5	4.31 *	8.61 *	8.50 *	8.29 *	8.06 *	7.76 *	7.37 *	6.91 *	6.41 *	7.30 *
-47.5	3.54	7.07	6.99	6.84	6.66	6.44	6.16	5.80	5.40	6.14
-55	1.62	3.25	3.24	3.20	3.14	3.06	2.95	2.80	2.62	3.01
-65	0.36	0.72	0.72	0.70	0.68	0.66	0.64	0.61	0.57	0.66
-75	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
-85	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90										
Total	373.73	745.86	740.79	731.76	718.52	700.34	677.30	649.27	614.66	709.45

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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.02
85	0.49	0.44	0.45	0.43	0.39	0.34	0.26	0.26	0.20	0.09
75	1.57	1.42	1.46	1.40	1.27	1.07	0.75	0.68	0.40	0.14
65	4.23	3.82	3.92	3.75	3.37	2.80	1.96	1.73	0.90	0.22
55	7.26	6.36	6.33	5.92	5.16	4.14	2.82	2.44	1.21	0.26

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	8.55 *	7.35	7.17	6.54	5.53	4.29	2.82	2.36	1.13	0.23
42.5	13.03 *	11.18 *	10.83 *	9.71	8.03	6.06	3.84	3.10	1.43	0.28
37.5	16.53 *	14.08 *	13.54 *	12.06 *	9.90 *	7.35	4.53	3.53	1.57	0.29
33	19.58 *	16.44 *	15.57 *	13.72 *	11.18 *	8.23	4.99	3.78	1.62	0.29
29	21.88 *	18.13 *	16.87 *	14.59 *	11.75 *	8.60 *	5.15	3.83	1.59	0.27
25.5	22.78 *	18.75 *	17.25 *	14.67 *	11.63 *	8.43 *	5.03	3.68	1.49	0.25
22.5	26.46 *	21.90 *	20.07 *	16.85 *	13.12 *	9.44 *	5.60	4.05	1.59	0.26
19.5	24.55 *	20.59 *	18.96 *	15.80 *	12.14 *	8.61 *	5.07	3.63	1.40	0.23
17	21.08 *	17.89 *	16.57 *	13.80 *	10.52 *	7.35 *	4.31 *	3.08	1.17	0.19
15	22.22 *	19.02 *	17.75 *	14.82 *	11.21 *	7.77 *	4.54 *	3.23	1.21	0.19
13	23.25 *	20.06 *	18.89 *	15.80 *	11.86 *	8.18 *	4.75 *	3.35	1.24	0.19
11	24.14 *	20.96 *	19.90 *	16.70 *	12.46 *	8.53 *	4.93 *	3.45	1.26	0.19
9	24.88 *	21.70 *	20.72 *	17.45 *	12.97 *	8.79 *	5.07 *	3.53	1.28	0.19
7	25.51 *	22.31 *	21.37 *	18.03 *	13.36 *	8.99 *	5.16 *	3.60	1.29	0.19
5	26.00 *	22.79 *	21.86 *	18.45 *	13.63 *	9.14 *	5.25 *	3.66	1.31	0.19
3	26.35 *	23.12 *	22.16 *	18.72 *	13.83 *	9.24 *	5.30 *	3.69	1.31	0.19
1	13.26 *	11.62 *	11.14 *	9.42 *	6.96 *	4.63 *	2.65 *	1.85	0.65	0.09
0	13.30 *	11.65 *	11.17 *	9.45 *	6.99 *	4.64 *	2.65 *	1.84	0.65	0.09
-1	26.59 *	23.33 *	22.40 *	18.98 *	14.03 *	9.32 *	5.30 *	3.68	1.29	0.18
-3	26.44 *	23.18 *	22.29 *	18.91 *	13.97 *	9.28 *	5.26 *	3.64	1.28	0.18
-5	26.14 *	22.86 *	21.95 *	18.60 *	13.76 *	9.15 *	5.17 *	3.57	1.26	0.18
-7	25.71 *	22.40 *	21.45 *	18.12 *	13.41 *	8.97 *	5.08 *	3.50	1.24	0.17
-9	25.15 *	21.82 *	20.77 *	17.47 *	12.94 *	8.71 *	4.96 *	3.41	1.21	0.17
-11	24.44 *	21.09 *	19.92 *	16.67 *	12.37 *	8.39 *	4.80 *	3.30	1.17	0.17
-13	23.61 *	20.24 *	18.94 *	15.76 *	11.73 *	8.00 *	4.60 *	3.17	1.13	0.16
-15	22.66 *	19.28 *	17.87 *	14.80 *	11.05 *	7.57 *	4.37 *	3.02	1.08	0.16
-17	26.67 *	22.45 *	20.62 *	16.97 *	12.75 *	8.80 *	5.10 *	3.53	1.27	0.19
-19.5	28.83 *	23.98 *	21.80 *	17.92 *	13.60 *	9.48 *	5.54	3.86	1.40	0.21

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	24.75 *	20.31 *	18.37 *	15.28 *	11.75 *	8.30 *	4.88	3.41	1.27	0.19
-25.5	23.38 *	19.07 *	17.40 *	14.70 *	11.47 *	8.22 *	4.85	3.40	1.30	0.20
-29	19.93 *	16.47 *	15.31 *	13.13 *	10.39 *	7.52	4.46	3.20	1.25	0.20
-33	15.64 *	13.12 *	12.43 *	10.85 *	8.70	6.35	3.80	2.83	1.15	0.19
-37.5	11.64 *	9.85 *	9.44 *	8.34	6.78	5.00	3.07	2.35	0.98	0.17
-42.5	7.71	6.57	6.30	5.58	4.59	3.44	2.15	1.67	0.70	0.13
-47.5	6.49	5.58	5.39	4.83	4.02	3.07	1.95	1.52	0.65	0.14
-55	3.20	2.79	2.73	2.50	2.12	1.63	1.03	0.80	0.38	0.11
-65	0.71	0.62	0.62	0.57	0.48	0.37	0.23	0.19	0.13	0.06
-75	0.06	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.03
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
Total	756.70	646.72	610.06	518.17	397.28	278.31	164.14	118.52	46.11	7.72

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00		0.67
85				
	0.02	0.00		7.20
75				
	0.04	0.00		22.41
65				
	0.04	0.00		61.82
55				
	0.04	0.00		106.33
47.5				
	0.03	0.00		124.72
42.5				
	0.04	0.00		189.26
37.5				
	0.04	0.00		242.66
33				
	0.03	0.00		291.67
29				
	0.03	0.00		323.00
25.5				
	0.03	0.00		325.35
22.5				
	0.03	0.00		364.25
19.5				
	0.02	0.00		329.58
17				
	0.02	0.00		278.88

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

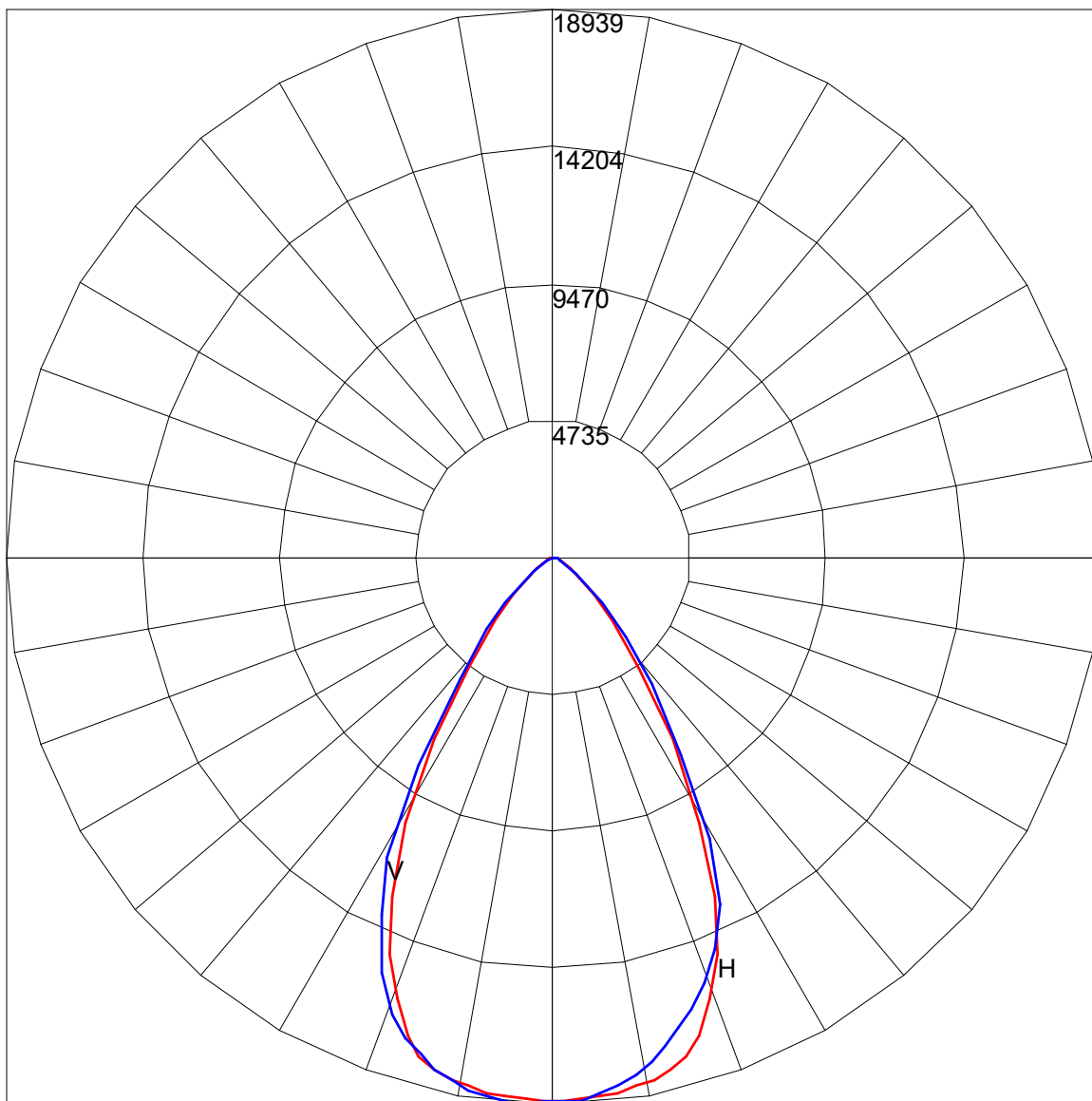
15	0.02	0.00	291.19
13	0.02	0.00	302.54
11	0.02	0.00	312.46
9	0.02	0.00	320.67
7	0.02	0.00	327.25
5	0.02	0.00	332.22
3	0.02	0.00	335.55
1	0.01	0.00	168.49
0	0.01	0.00	168.80
-1	0.02	0.00	338.23
-3	0.02	0.00	337.52
-5	0.02	0.00	334.88
-7	0.02	0.00	330.45
-9	0.02	0.00	324.20
-11	0.02	0.00	316.25
-13	0.02	0.00	306.89
-15	0.02	0.00	296.19
-17	0.02	0.00	352.52
-19.5	0.02	0.00	389.26
-22.5	0.02	0.00	342.76
-25.5	0.02	0.00	338.55
-29	0.02	0.00	301.18
-33	0.03	0.00	234.79
-37.5	0.03	0.00	171.09
-42.5	0.02	0.00	112.39
-47.5	0.03	0.00	94.71
-55	0.03	0.00	46.23
-65	0.02	0.00	10.32

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

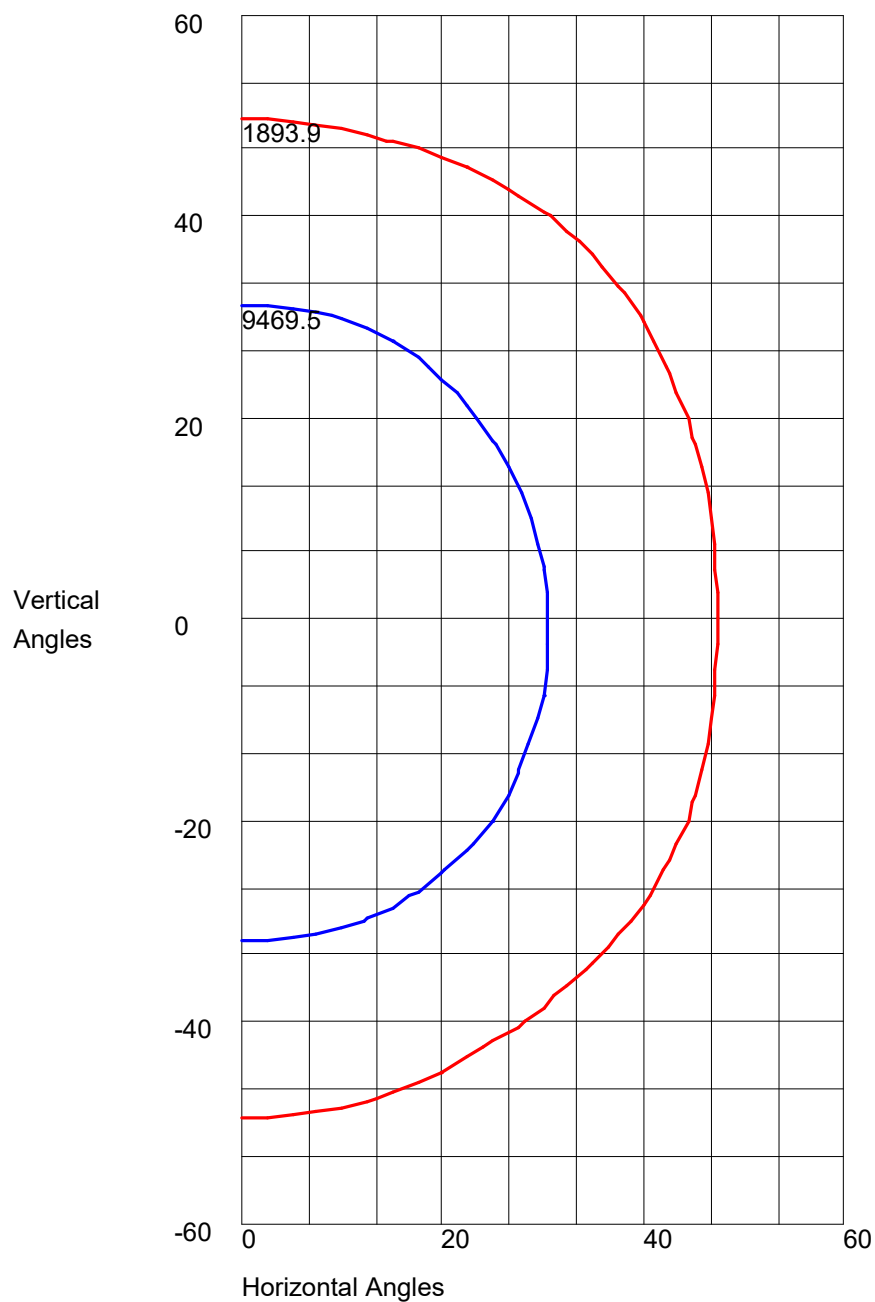
-75	0.01	0.00	0.92
-85	0.00	0.00	0.16
-90			
Total	0.99	0.03	10206.43

AXIAL CANDELA DISPLAY



Maximum Candela = 18939 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 18939 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 9469.5
10% Maximum Candela = 1893.9