



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-50-80.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12461
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/05/21
[TESTDATE] 01/25/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-34L-PC-WF-50-80
[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	6 H x 6 V
Maximum Candela	28253
Maximum Candela Angle	0H -3V
Horizontal Beam Angle (50%)	64.2
Vertical Beam Angle (50%)	65.7
Horizontal Field Angle (10%)	102.9
Vertical Field Angle (10%)	103.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	21932
Beam Efficiency	N.A.
Field Lumens	31192
Field Efficiency	N.A.
Spill Lumens	2663
Luminaire Lumens	33855
Total Efficiency	N.A.
Total Luminaire Watts	304
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	97	85	100
75	218	75	255
65	520	65	688
55	1718	55	1886
47.5	4036	47.5	4129
42.5	6063	42.5	6212
37.5	9016	37.5	9377
33	13252	33	13953
29	17676	29	18413
25.5	21031	25.5	21304
22.5	23337	22.5	22994
19.5	24980	19.5	24279
17	25997	17	25207
15	26654	15	25911
13	27092	13	26539
11	27437	11	27066
9	27682	9	27504
7	27838	7	27858
5	27927	5	28116
3	27977	3	28253
1	28071	1	28190
0	28125	0	28125
-1	28071	-1	28190
-3	27977	-3	28253
-5	27927	-5	28116
-7	27838	-7	27858
-9	27682	-9	27504
-11	27437	-11	27066
-13	27092	-13	26539
-15	26654	-15	25911
-17	25997	-17	25207
-19.5	24980	-19.5	24279
-22.5	23337	-22.5	22994
-25.5	21031	-25.5	21304
-29	17676	-29	18413
-33	13252	-33	13953
-37.5	9016	-37.5	9377
-42.5	6063	-42.5	6212
-47.5	4036	-47.5	4129
-55	1718	-55	1886
-65	520	-65	688
-75	218	-75	255
-85	97	-85	100
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 28253

Beam Edge = 14126.5 Cd (50% of Max.)

Field Edge = 2825.3 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	8	27	46	60	64	68	73	77	82
75.0	0	24	67	98	138	161	174	191	208	239
65.0	0	39	98	176	284	366	426	483	532	572
55.0	0	53	129	257	461	655	790	948	1101	1235
47.5	0	62	150	315	619	958	1226	1558	1900	2246
42.5	0	68	164	352	746	1209	1620	2144	2703	3250 *
37.5	0	74	175	386	878	1532	2129	2916 *	3749 *	4562 *
33.0	0	78	184	417	1008	1873	2684	3752 *	4837 *	5909 *
29.0	0	82	193	443	1120	2215	3236 *	4549 *	5906 *	7406 *
25.5	0	85	199	464	1242	2520	3738 *	5266 *	6962 *	8832 *
22.5	0	87	203	479	1335	2814	4160 *	5874 *	7918 *	10205 *
19.5	0	89	207	493	1424	3078 *	4574 *	6513 *	8876 *	11703 *
17.0	0	91	210	501	1507	3284 *	4875 *	7012 *	9738 *	13071 *
15.0	0	92	212	506	1564	3446 *	5111 *	7370 *	10395 *	14044 *
13.0	0	93	214	508	1613	3589 *	5332 *	7768 *	10983 *	14925 *
11.0	0	96	216	509	1653	3713 *	5529 *	8117 *	11594 *	15717 *
9.0	0	96	217	514	1684	3817 *	5695 *	8412 *	12139 *	16407 *
7.0	0	96	218	518	1707	3902 *	5830 *	8649 *	12571 *	16937 *
5.0	0	96	219	520	1723	3966 *	5934 *	8826 *	12894 *	17317 *
3.0	0	97	219	523	1739	4032 *	6046 *	8946 *	13109 *	17577 *
1.0	0	97	218	521	1725	4035 *	6057 *	9015 *	13234 *	17677 *
0.0	0	97	218	520	1718	4036 *	6063 *	9016 *	13252 *	17676 *
-1.0	0	97	218	521	1725	4035 *	6057 *	9015 *	13234 *	17677 *
-3.0	0	97	219	523	1739	4032 *	6046 *	8946 *	13109 *	17577 *
-5.0	0	96	219	520	1723	3966 *	5934 *	8826 *	12894 *	17317 *
-7.0	0	96	218	518	1707	3902 *	5830 *	8649 *	12571 *	16937 *
-9.0	0	96	217	514	1684	3817 *	5695 *	8412 *	12139 *	16407 *
-11.0	0	96	216	509	1653	3713 *	5529 *	8117 *	11594 *	15717 *
-13.0	0	93	214	508	1613	3589 *	5332 *	7768 *	10983 *	14925 *
-15.0	0	92	212	506	1564	3446 *	5111 *	7370 *	10395 *	14044 *
-17.0	0	91	210	501	1507	3284 *	4875 *	7012 *	9738 *	13071 *
-19.5	0	89	207	493	1424	3078 *	4574 *	6513 *	8876 *	11703 *
-22.5	0	87	203	479	1335	2814	4160 *	5874 *	7918 *	10205 *
-25.5	0	85	199	464	1242	2520	3738 *	5266 *	6962 *	8832 *
-29.0	0	82	193	443	1120	2215	3236 *	4549 *	5906 *	7406 *
-33.0	0	78	184	417	1008	1873	2684	3752 *	4837 *	5909 *
-37.5	0	74	175	386	878	1532	2129	2916 *	3749 *	4562 *
-42.5	0	68	164	352	746	1209	1620	2144	2703	3250 *
-47.5	0	62	150	315	619	958	1226	1558	1900	2246
-55.0	0	53	129	257	461	655	790	948	1101	1235
-65.0	0	39	98	176	284	366	426	483	532	572
-75.0	0	24	67	98	138	161	174	191	208	239
-85.0	0	8	27	46	60	64	68	73	77	82
-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	85	88	90	91	93	94	96	97	97	98
75.0	264	276	279	281	281	279	275	270	265	261
65.0	606	628	648	663	673	681	684	686	686	684
55.0	1361	1454	1547	1634	1695	1747	1794	1832	1861	1881
47.5	2546	2837 *	3106 *	3322 *	3491 *	3642 *	3774 *	3884 *	3973 *	4042 *
42.5	3773 *	4217 *	4671 *	5012 *	5259 *	5487 *	5687 *	5856 *	5990 *	6089 *
37.5	5317 *	5968 *	6652 *	7197 *	7585 *	8003 *	8372 *	8691 *	8960 *	9172 *
33.0	6998 *	8003 *	9042 *	9957 *	10634 *	11239 *	11910 *	12546 *	13064 *	13455 *
29.0	8848 *	10367 *	11968 *	13371 *	14410 *	15347 *	16192 *	16938 *	17518 *	17925 *
25.5	10829 *	12917 *	14956 *	16525 *	17585 *	18499 *	19311 *	19944 *	20466 *	20848 *
22.5	12820 *	15158 *	17258 *	18774 *	19796 *	20624 *	21340 *	21868 *	22325 *	22662 *
19.5	14764 *	17166 *	19185 *	20605 *	21553 *	22301 *	22918 *	23362 *	23766 *	24066 *
17.0	16253 *	18578 *	20581 *	21891 *	22804 *	23483 *	24080 *	24464 *	24767 *	25027 *
15.0	17273 *	19606 *	21554 *	22854 *	23622 *	24328 *	24841 *	25243 *	25486 *	25726 *
13.0	18179 *	20517 *	22396 *	23604 *	24414 *	25007 *	25519 *	25915 *	26174 *	26347 *
11.0	19013 *	21326 *	23170 *	24336 *	25034 *	25635 *	26091 *	26457 *	26732 *	26878 *
9.0	19681 *	21976 *	23773 *	24901 *	25620 *	26166 *	26587 *	26886 *	27152 *	27331 *
7.0	20230 *	22532 *	24299 *	25373 *	26056 *	26611 *	26984 *	27262 *	27459 *	27666 *
5.0	20636 *	22941 *	24720 *	25756 *	26394 *	26888 *	27266 *	27546 *	27736 *	27833 *
3.0	20924 *	23211 *	24935 *	25967 *	26609 *	27070 *	27426 *	27695 *	27895 *	28009 *
1.0	21036 *	23348 *	25009 *	26037 *	26701 *	27143 *	27482 *	27725 *	27900 *	28009 *
0.0	21031 *	23337 *	24980 *	25997 *	26654 *	27092 *	27437 *	27682 *	27838 *	27927 *
-1.0	21036 *	23348 *	25009 *	26037 *	26701 *	27143 *	27482 *	27725 *	27900 *	28009 *
-3.0	20924 *	23211 *	24935 *	25967 *	26609 *	27070 *	27426 *	27695 *	27895 *	28009 *
-5.0	20636 *	22941 *	24720 *	25756 *	26394 *	26888 *	27266 *	27546 *	27736 *	27833 *
-7.0	20230 *	22532 *	24299 *	25373 *	26056 *	26611 *	26984 *	27262 *	27459 *	27666 *
-9.0	19681 *	21976 *	23773 *	24901 *	25620 *	26166 *	26587 *	26886 *	27152 *	27331 *
-11.0	19013 *	21326 *	23170 *	24336 *	25034 *	25635 *	26091 *	26457 *	26732 *	26878 *
-13.0	18179 *	20517 *	22396 *	23604 *	24414 *	25007 *	25519 *	25915 *	26174 *	26347 *
-15.0	17273 *	19606 *	21554 *	22854 *	23622 *	24328 *	24841 *	25243 *	25486 *	25726 *
-17.0	16253 *	18578 *	20581 *	21891 *	22804 *	23483 *	24080 *	24464 *	24767 *	25027 *
-19.5	14764 *	17166 *	19185 *	20605 *	21553 *	22301 *	22918 *	23362 *	23766 *	24066 *
-22.5	12820 *	15158 *	17258 *	18774 *	19796 *	20624 *	21340 *	21868 *	22325 *	22662 *
-25.5	10829 *	12917 *	14956 *	16525 *	17585 *	18499 *	19311 *	19944 *	20466 *	20848 *
-29.0	8848 *	10367 *	11968 *	13371 *	14410 *	15347 *	16192 *	16938 *	17518 *	17925 *
-33.0	6998 *	8003 *	9042 *	9957 *	10634 *	11239 *	11910 *	12546 *	13064 *	13455 *
-37.5	5317 *	5968 *	6652 *	7197 *	7585 *	8003 *	8372 *	8691 *	8960 *	9172 *
-42.5	3773 *	4217 *	4671 *	5012 *	5259 *	5487 *	5687 *	5856 *	5990 *	6089 *
-47.5	2546	2837 *	3106 *	3322 *	3491 *	3642 *	3774 *	3884 *	3973 *	4042 *
-55.0	1361	1454	1547	1634	1695	1747	1794	1832	1861	1881
-65.0	606	628	648	663	673	681	684	686	686	684
-75.0	264	276	279	281	281	279	275	270	265	261
-85.0	85	88	90	91	93	94	96	97	97	98
-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	99	100	100	100	99	98	97	97	96	94
75.0	258	256	255	256	258	261	265	270	275	279
65.0	689	688	688	688	689	684	686	686	684	681

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CANDELA TABULATION - (Cont.)

55.0	1900	1891	1886	1891	1900	1881	1861	1832	1794	1747
47.5	4115 *	4124 *	4129 *	4124 *	4115 *	4042 *	3973 *	3884 *	3774 *	3642 *
42.5	6193 *	6206 *	6212 *	6206 *	6193 *	6089 *	5990 *	5856 *	5687 *	5487 *
37.5	9323 *	9384 *	9377 *	9384 *	9323 *	9172 *	8960 *	8691 *	8372 *	8003 *
33.0	13722 *	13905 *	13953 *	13905 *	13722 *	13455 *	13064 *	12546 *	11910 *	11239 *
29.0	18219 *	18380 *	18413 *	18380 *	18219 *	17925 *	17518 *	16938 *	16192 *	15347 *
25.5	21110 *	21265 *	21304 *	21265 *	21110 *	20848 *	20466 *	19944 *	19311 *	18499 *
22.5	22875 *	22995 *	22994 *	22995 *	22875 *	22662 *	22325 *	21868 *	21340 *	20624 *
19.5	24210 *	24270 *	24279 *	24270 *	24210 *	24066 *	23766 *	23362 *	22918 *	22301 *
17.0	25148 *	25186 *	25207 *	25186 *	25148 *	25027 *	24767 *	24464 *	24080 *	23483 *
15.0	25857 *	25896 *	25911 *	25896 *	25857 *	25726 *	25486 *	25243 *	24841 *	24328 *
13.0	26477 *	26484 *	26539 *	26484 *	26477 *	26347 *	26174 *	25915 *	25519 *	25007 *
11.0	27016 *	26998 *	27066 *	26998 *	27016 *	26878 *	26732 *	26457 *	26091 *	25635 *
9.0	27448 *	27448 *	27504 *	27448 *	27448 *	27331 *	27152 *	26886 *	26587 *	26166 *
7.0	27773 *	27816 *	27858 *	27816 *	27773 *	27666 *	27459 *	27262 *	26984 *	26611 *
5.0	28001 *	28095 *	28116 *	28095 *	28001 *	27833 *	27736 *	27546 *	27266 *	26888 *
3.0	28074 *	28215 *	28253 *	28215 *	28074 *	28009 *	27895 *	27695 *	27426 *	27070 *
1.0	28097 *	28146 *	28190 *	28146 *	28097 *	28009 *	27900 *	27725 *	27482 *	27143 *
0.0	27977 *	28071 *	28125 *	28071 *	27977 *	27927 *	27838 *	27682 *	27437 *	27092 *
-1.0	28097 *	28146 *	28190 *	28146 *	28097 *	28009 *	27900 *	27725 *	27482 *	27143 *
-3.0	28074 *	28215 *	28253 *	28215 *	28074 *	28009 *	27895 *	27695 *	27426 *	27070 *
-5.0	28001 *	28095 *	28116 *	28095 *	28001 *	27833 *	27736 *	27546 *	27266 *	26888 *
-7.0	27773 *	27816 *	27858 *	27816 *	27773 *	27666 *	27459 *	27262 *	26984 *	26611 *
-9.0	27448 *	27448 *	27504 *	27448 *	27448 *	27331 *	27152 *	26886 *	26587 *	26166 *
-11.0	27016 *	26998 *	27066 *	26998 *	27016 *	26878 *	26732 *	26457 *	26091 *	25635 *
-13.0	26477 *	26484 *	26539 *	26484 *	26477 *	26347 *	26174 *	25915 *	25519 *	25007 *
-15.0	25857 *	25896 *	25911 *	25896 *	25857 *	25726 *	25486 *	25243 *	24841 *	24328 *
-17.0	25148 *	25186 *	25207 *	25186 *	25148 *	25027 *	24767 *	24464 *	24080 *	23483 *
-19.5	24210 *	24270 *	24279 *	24270 *	24210 *	24066 *	23766 *	23362 *	22918 *	22301 *
-22.5	22875 *	22995 *	22994 *	22995 *	22875 *	22662 *	22325 *	21868 *	21340 *	20624 *
-25.5	21110 *	21265 *	21304 *	21265 *	21110 *	20848 *	20466 *	19944 *	19311 *	18499 *
-29.0	18219 *	18380 *	18413 *	18380 *	18219 *	17925 *	17518 *	16938 *	16192 *	15347 *
-33.0	13722 *	13905 *	13953 *	13905 *	13722 *	13455 *	13064 *	12546 *	11910 *	11239 *
-37.5	9323 *	9384 *	9377 *	9384 *	9323 *	9172 *	8960 *	8691 *	8372 *	8003 *
-42.5	6193 *	6206 *	6212 *	6206 *	6193 *	6089 *	5990 *	5856 *	5687 *	5487 *
-47.5	4115 *	4124 *	4129 *	4124 *	4115 *	4042 *	3973 *	3884 *	3774 *	3642 *
-55.0	1900	1891	1886	1891	1900	1881	1861	1832	1794	1747
-65.0	689	688	688	688	689	684	686	686	684	681
-75.0	258	256	255	256	258	261	265	270	275	279
-85.0	99	100	100	100	99	98	97	97	96	94
-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	93	91	90	88	85	82	77	73	68	64
75.0	281	281	279	276	264	239	208	191	174	161
65.0	673	663	648	628	606	572	532	483	426	366
55.0	1695	1634	1547	1454	1361	1235	1101	948	790	655
47.5	3491 *	3322 *	3106 *	2837 *	2546	2246	1900	1558	1226	958
42.5	5259 *	5012 *	4671 *	4217 *	3773 *	3250 *	2703	2144	1620	1209
37.5	7585 *	7197 *	6652 *	5968 *	5317 *	4562 *	3749 *	2916 *	2129	1532
33.0	10634 *	9957 *	9042 *	8003 *	6998 *	5909 *	4837 *	3752 *	2684	1873
29.0	14410 *	13371 *	11968 *	10367 *	8848 *	7406 *	5906 *	4549 *	3236 *	2215
25.5	17585 *	16525 *	14956 *	12917 *	10829 *	8832 *	6962 *	5266 *	3738 *	2520

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CANDELA TABULATION - (Cont.)

22.5	19796 *	18774 *	17258 *	15158 *	12820 *	10205 *	7918 *	5874 *	4160 *	2814
19.5	21553 *	20605 *	19185 *	17166 *	14764 *	11703 *	8876 *	6513 *	4574 *	3078 *
17.0	22804 *	21891 *	20581 *	18578 *	16253 *	13071 *	9738 *	7012 *	4875 *	3284 *
15.0	23622 *	22854 *	21554 *	19606 *	17273 *	14044 *	10395 *	7370 *	5111 *	3446 *
13.0	24414 *	23604 *	22396 *	20517 *	18179 *	14925 *	10983 *	7768 *	5332 *	3589 *
11.0	25034 *	24336 *	23170 *	21326 *	19013 *	15717 *	11594 *	8117 *	5529 *	3713 *
9.0	25620 *	24901 *	23773 *	21976 *	19681 *	16407 *	12139 *	8412 *	5695 *	3817 *
7.0	26056 *	25373 *	24299 *	22532 *	20230 *	16937 *	12571 *	8649 *	5830 *	3902 *
5.0	26394 *	25756 *	24720 *	22941 *	20636 *	17317 *	12894 *	8826 *	5934 *	3966 *
3.0	26609 *	25967 *	24935 *	23211 *	20924 *	17577 *	13109 *	8946 *	6046 *	4032 *
1.0	26701 *	26037 *	25009 *	23348 *	21036 *	17677 *	13234 *	9015 *	6057 *	4035 *
0.0	26654 *	25997 *	24980 *	23337 *	21031 *	17676 *	13252 *	9016 *	6063 *	4036 *
-1.0	26701 *	26037 *	25009 *	23348 *	21036 *	17677 *	13234 *	9015 *	6057 *	4035 *
-3.0	26609 *	25967 *	24935 *	23211 *	20924 *	17577 *	13109 *	8946 *	6046 *	4032 *
-5.0	26394 *	25756 *	24720 *	22941 *	20636 *	17317 *	12894 *	8826 *	5934 *	3966 *
-7.0	26056 *	25373 *	24299 *	22532 *	20230 *	16937 *	12571 *	8649 *	5830 *	3902 *
-9.0	25620 *	24901 *	23773 *	21976 *	19681 *	16407 *	12139 *	8412 *	5695 *	3817 *
-11.0	25034 *	24336 *	23170 *	21326 *	19013 *	15717 *	11594 *	8117 *	5529 *	3713 *
-13.0	24414 *	23604 *	22396 *	20517 *	18179 *	14925 *	10983 *	7768 *	5332 *	3589 *
-15.0	23622 *	22854 *	21554 *	19606 *	17273 *	14044 *	10395 *	7370 *	5111 *	3446 *
-17.0	22804 *	21891 *	20581 *	18578 *	16253 *	13071 *	9738 *	7012 *	4875 *	3284 *
-19.5	21553 *	20605 *	19185 *	17166 *	14764 *	11703 *	8876 *	6513 *	4574 *	3078 *
-22.5	19796 *	18774 *	17258 *	15158 *	12820 *	10205 *	7918 *	5874 *	4160 *	2814
-25.5	17585 *	16525 *	14956 *	12917 *	10829 *	8832 *	6962 *	5266 *	3738 *	2520
-29.0	14410 *	13371 *	11968 *	10367 *	8848 *	7406 *	5906 *	4549 *	3236 *	2215
-33.0	10634 *	9957 *	9042 *	8003 *	6998 *	5909 *	4837 *	3752 *	2684 *	1873
-37.5	7585 *	7197 *	6652 *	5968 *	5317 *	4562 *	3749 *	2916 *	2129 *	1532
-42.5	5259 *	5012 *	4671 *	4217 *	3773 *	3250 *	2703 *	2144 *	1620 *	1209
-47.5	3491 *	3322 *	3106 *	2837 *	2546 *	2246 *	1900 *	1558 *	1226 *	958
-55.0	1695	1634	1547	1454	1361	1235	1101	948	790	655
-65.0	673	663	648	628	606	572	532	483	426	366
-75.0	281	281	279	276	264	239	208	191	174	161
-85.0	93	91	90	88	85	82	77	73	68	64
-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	60	46	27	8	0
75.0	138	98	67	24	0
65.0	284	176	98	39	0
55.0	461	257	129	53	0
47.5	619	315	150	62	0
42.5	746	352	164	68	0
37.5	878	386	175	74	0
33.0	1008	417	184	78	0
29.0	1120	443	193	82	0
25.5	1242	464	199	85	0
22.5	1335	479	203	87	0
19.5	1424	493	207	89	0
17.0	1507	501	210	91	0
15.0	1564	506	212	92	0
13.0	1613	508	214	93	0
11.0	1653	509	216	96	0
9.0	1684	514	217	96	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	1707	518	218	96	0
5.0	1723	520	219	96	0
3.0	1739	523	219	97	0
1.0	1725	521	218	97	0
0.0	1718	520	218	97	0
-1.0	1725	521	218	97	0
-3.0	1739	523	219	97	0
-5.0	1723	520	219	96	0
-7.0	1707	518	218	96	0
-9.0	1684	514	217	96	0
-11.0	1653	509	216	96	0
-13.0	1613	508	214	93	0
-15.0	1564	506	212	92	0
-17.0	1507	501	210	91	0
-19.5	1424	493	207	89	0
-22.5	1335	479	203	87	0
-25.5	1242	464	199	85	0
-29.0	1120	443	193	82	0
-33.0	1008	417	184	78	0
-37.5	878	386	175	74	0
-42.5	746	352	164	68	0
-47.5	619	315	150	62	0
-55.0	461	257	129	53	0
-65.0	284	176	98	39	0
-75.0	138	98	67	24	0
-85.0	60	46	27	8	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-34L-PC-WF-50-80.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 16927.68

Total Field Lumens (one side of beam only) = 15596.06

* 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	0.08	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.13
75	0.54	1.09	1.09	1.09	1.09	1.10	1.11	1.11	1.10	1.09
65	1.44	2.88	2.87	2.87	2.87	2.88	2.87	2.86	2.83	2.78
55	3.92	7.87	7.83	7.74	7.64	7.49	7.31	7.09	6.83	6.12
47.5	6.87 *	13.73 *	13.60 *	13.36 *	13.06 *	12.69	12.24	11.72	11.14	10.03
42.5	7.87 *	15.71 *	15.53 *	15.22 *	14.86 *	14.40 *	13.85 *	13.21 *	12.51 *	11.56 *
37.5	11.87 *	23.67 *	23.38 *	22.88 *	22.24 *	21.45 *	20.52 *	19.46 *	18.34 *	17.27 *
33	15.98 *	31.74 *	31.23 *	30.43 *	29.36 *	28.02 *	26.50 *	24.91 *	23.30 *	21.72 *
29	19.69 *	39.10 *	38.48 *	37.54 *	36.24 *	34.55 *	32.59 *	30.52 *	28.33 *	26.06 *
25.5	21.15 *	42.07 *	41.53 *	40.69 *	39.52 *	38.00 *	36.16 *	34.05 *	31.71 *	29.95 *
22.5	20.23 *	40.29 *	39.88 *	39.22 *	38.28 *	37.11 *	35.65 *	33.92 *	31.92 *	29.62 *
19.5	21.60 *	43.08 *	42.76 *	42.18 *	41.32 *	40.27 *	38.96 *	37.36 *	35.46 *	33.12 *
17	18.84 *	37.60 *	37.39 *	36.97 *	36.33 *	35.56 *	34.55 *	33.30 *	31.79 *	29.18 *
15	15.57 *	31.08 *	30.92 *	30.60 *	30.15 *	29.59 *	28.82 *	27.85 *	26.70 *	25.41 *
13	15.97 *	31.88 *	31.73 *	31.42 *	31.01 *	30.45 *	29.70 *	28.78 *	27.67 *	26.69 *
11	16.31 *	32.56 *	32.43 *	32.15 *	31.76 *	31.19 *	30.47 *	29.58 *	28.52 *	27.81 *
9	16.60 *	33.15 *	33.02 *	32.74 *	32.34 *	31.80 *	31.13 *	30.28 *	29.25 *	28.78 *
7	16.85 *	33.63 *	33.49 *	33.20 *	32.81 *	32.31 *	31.69 *	30.87 *	29.85 *	28.56 *
5	17.04 *	34.00 *	33.81 *	33.53 *	33.18 *	32.71 *	32.10 *	31.31 *	30.33 *	29.21 *
3	17.16 *	34.21 *	34.01 *	33.77 *	33.44 *	32.98 *	32.37 *	31.61 *	30.66 *	29.66 *
1	17.18 *	34.26 *	34.09 *	33.87 *	33.55 *	33.10 *	32.51 *	31.78 *	30.84 *	29.86 *
0	8.57 *	17.09 *	17.02 *	16.91 *	16.76 *	16.55 *	16.26 *	15.90 *	15.43 *	14.85 *
-1	8.57 *	17.09 *	17.02 *	16.91 *	16.76 *	16.55 *	16.26 *	15.90 *	15.43 *	14.85 *
	17.18 *	34.26 *	34.09 *	33.87 *	33.55 *	33.10 *	32.51 *	31.78 *	30.84 *	29.86 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	17.16 *	34.21 *	34.01 *	33.77 *	33.44 *	32.98 *	32.37 *	31.61 *	30.66 *	36.66 *
-5	17.04 *	34.00 *	33.81 *	33.53 *	33.18 *	32.71 *	32.10 *	31.31 *	30.33 *	36.21 *
-7	16.85 *	33.63 *	33.49 *	33.20 *	32.81 *	32.31 *	31.69 *	30.87 *	29.85 *	35.56 *
-9	16.60 *	33.15 *	33.02 *	32.74 *	32.34 *	31.80 *	31.13 *	30.28 *	29.25 *	34.78 *
-11	16.31 *	32.56 *	32.43 *	32.15 *	31.76 *	31.19 *	30.47 *	29.58 *	28.52 *	33.81 *
-13	15.97 *	31.88 *	31.73 *	31.42 *	31.01 *	30.45 *	29.70 *	28.78 *	27.67 *	32.69 *
-15	15.57 *	31.08 *	30.92 *	30.60 *	30.15 *	29.59 *	28.82 *	27.85 *	26.70 *	31.41 *
-17	18.84 *	37.60 *	37.39 *	36.97 *	36.33 *	35.56 *	34.55 *	33.30 *	31.79 *	37.18 *
-19.5	21.60 *	43.08 *	42.76 *	42.18 *	41.32 *	40.27 *	38.96 *	37.36 *	35.46 *	41.12 *
-22.5	20.23 *	40.29 *	39.88 *	39.22 *	38.28 *	37.11 *	35.65 *	33.92 *	31.92 *	36.62 *
-25.5	21.15 *	42.07 *	41.53 *	40.69 *	39.52 *	38.00 *	36.16 *	34.05 *	31.71 *	35.95 *
-29	19.69 *	39.10 *	38.48 *	37.54 *	36.24 *	34.55 *	32.59 *	30.52 *	28.33 *	32.06 *
-33	15.98 *	31.74 *	31.23 *	30.43 *	29.36 *	28.02 *	26.50 *	24.91 *	23.30 *	26.72 *
-37.5	11.87 *	23.67 *	23.38 *	22.88 *	22.24 *	21.45 *	20.52 *	19.46 *	18.34 *	21.27 *
-42.5	7.87 *	15.71 *	15.53 *	15.22 *	14.86 *	14.40 *	13.85 *	13.21 *	12.51 *	14.56 *
-47.5	6.87 *	13.73 *	13.60 *	13.36 *	13.06 *	12.69	12.24	11.72	11.14	13.03
-55	3.92	7.87	7.83	7.74	7.64	7.49	7.31	7.09	6.83	8.12
-65	1.44	2.88	2.87	2.87	2.88	2.87	2.86	2.83	2.78	3.38
-75	0.54	1.09	1.09	1.09	1.10	1.11	1.11	1.10	1.09	1.34
-85	0.08	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.13	0.16
-90										
Total	582.64	1161.69	1152.47	1137.09	1115.95	1088.68	1054.99	1015.16	969.12	1135.95

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.19	0.18	0.20	0.21	0.21	0.21	0.18	0.22	0.20	0.09
85	1.56	1.49	1.59	1.58	1.54	1.48	1.26	1.51	1.30	0.62
75	3.90	3.70	3.98	4.05	3.96	3.71	3.03	3.39	2.65	1.14
65	9.12	8.45	8.94	8.98	8.57	7.72	6.02	6.31	4.48	1.72
55	14.31	12.83	13.13	12.69	11.56	9.89	7.33	7.22	4.71	1.66

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5	15.81 *	13.95 *	14.00 *	13.18	11.62	9.55	6.75	6.31	3.86	1.28
42.5	22.93 *	20.11 *	20.02 *	18.62 *	16.10 *	12.84	8.73	7.80	4.49	1.40
37.5	28.47 *	24.69 *	24.29 *	22.39 *	19.21 *	15.07 *	9.95	8.51	4.60	1.36
33	33.59 *	28.56 *	27.64 *	25.12 *	21.31 *	16.59 *	10.78	8.88	4.55	1.29
29	37.48 *	31.38 *	29.78 *	26.59 *	22.21 *	17.13 *	11.03 *	8.87	4.35	1.18
25.5	38.57 *	32.38 *	30.34 *	26.56 *	21.84 *	16.65 *	10.68 *	8.48	4.02	1.05
22.5	44.00 *	37.51 *	35.18 *	30.31 *	24.49 *	18.48 *	11.81 *	9.27	4.26	1.08
19.5	40.26 *	34.83 *	33.05 *	28.32 *	22.48 *	16.75 *	10.64 *	8.30	3.73	0.92
17	34.26 *	29.93 *	28.73 *	24.67 *	19.31 *	14.21 *	9.00 *	7.00	3.10	0.74
15	35.86 *	31.54 *	30.53 *	26.29 *	20.43 *	14.92 *	9.41 *	7.30	3.19	0.75
13	37.28 *	32.99 *	32.14 *	27.79 *	21.52 *	15.60 *	9.78 *	7.55	3.26	0.75
11	38.49 *	34.22 *	33.56 *	29.16 *	22.53 *	16.19 *	10.10 *	7.76	3.32	0.76
9	39.49 *	35.23 *	34.71 *	30.31 *	23.37 *	16.67 *	10.36 *	7.94	3.36	0.76
7	40.30 *	36.04 *	35.60 *	31.18 *	24.03 *	17.05 *	10.57 *	8.07	3.40	0.77
5	40.86 *	36.61 *	36.23 *	31.79 *	24.50 *	17.35 *	10.75 *	8.19 *	3.43	0.77
3	41.16 *	36.95 *	36.59 *	32.16 *	24.79 *	17.53 *	10.86 *	8.24 *	3.43	0.77
1	20.62 *	18.52 *	18.34 *	16.14 *	12.46 *	8.79 *	5.43 *	4.11 *	1.71	0.38
0	20.62 *	18.52 *	18.34 *	16.14 *	12.46 *	8.79 *	5.43 *	4.11 *	1.71	0.38
-1	41.16 *	36.95 *	36.59 *	32.16 *	24.79 *	17.53 *	10.86 *	8.24 *	3.43	0.77
-3	40.86 *	36.61 *	36.23 *	31.79 *	24.50 *	17.35 *	10.75 *	8.19 *	3.43	0.77
-5	40.30 *	36.04 *	35.60 *	31.18 *	24.03 *	17.05 *	10.57 *	8.07	3.40	0.77
-7	39.49 *	35.23 *	34.71 *	30.31 *	23.37 *	16.67 *	10.36 *	7.94	3.36	0.76
-9	38.49 *	34.22 *	33.56 *	29.16 *	22.53 *	16.19 *	10.10 *	7.76	3.32	0.76
-11	37.28 *	32.99 *	32.14 *	27.79 *	21.52 *	15.60 *	9.78 *	7.55	3.26	0.75
-13	35.86 *	31.54 *	30.53 *	26.29 *	20.43 *	14.92 *	9.41 *	7.30	3.19	0.75
-15	34.26 *	29.93 *	28.73 *	24.67 *	19.31 *	14.21 *	9.00 *	7.00	3.10	0.74
-17	40.26 *	34.83 *	33.05 *	28.32 *	22.48 *	16.75 *	10.64 *	8.30	3.73	0.92
-19.5	44.00 *	37.51 *	35.18 *	30.31 *	24.49 *	18.48 *	11.81 *	9.27	4.26	1.08

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	38.57 *	32.38 *	30.34 *	26.56 *	21.84 *	16.65 *	10.68 *	8.48	4.02	1.05
-25.5	37.48 *	31.38 *	29.78 *	26.59 *	22.21 *	17.13 *	11.03 *	8.87	4.35	1.18
-29	33.59 *	28.56 *	27.64 *	25.12 *	21.31 *	16.59 *	10.78	8.88	4.55	1.29
-33	28.47 *	24.69 *	24.29 *	22.39 *	19.21 *	15.07 *	9.95	8.51	4.60	1.36
-37.5	22.93 *	20.11 *	20.02 *	18.62 *	16.10 *	12.84	8.73	7.80	4.49	1.40
-42.5	15.81 *	13.95 *	14.00 *	13.18	11.62	9.55	6.75	6.31	3.86	1.28
-47.5	14.31	12.83	13.13	12.69	11.56	9.89	7.33	7.22	4.71	1.66
-55	9.12	8.45	8.94	8.98	8.57	7.72	6.02	6.31	4.48	1.72
-65	3.90	3.70	3.98	4.05	3.96	3.71	3.03	3.39	2.65	1.14
-75	1.56	1.49	1.59	1.58	1.54	1.48	1.26	1.51	1.30	0.62
-85	0.19	0.18	0.20	0.21	0.21	0.21	0.18	0.22	0.20	0.09
-90										
Total	1237.06	1084.18	1057.1	936.19	756.08	568.74	368.89	302.46	150.77	42.49

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.02	0.00		3.30
85				
	0.17	0.01		24.75
75				
	0.30	0.01		61.49
65				
	0.42	0.02		142.59
55				
	0.39	0.01		217.17
47.5				
	0.29	0.01		234.32
42.5				
	0.32	0.01		338.48
37.5				
	0.30	0.01		427.03
33				
	0.28	0.01		507.70
29				
	0.26	0.01		551.13
25.5				
	0.23	0.01		543.93
22.5				
	0.23	0.01		600.72
19.5				
	0.20	0.01		538.99
17				
	0.16	0.01		453.81

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

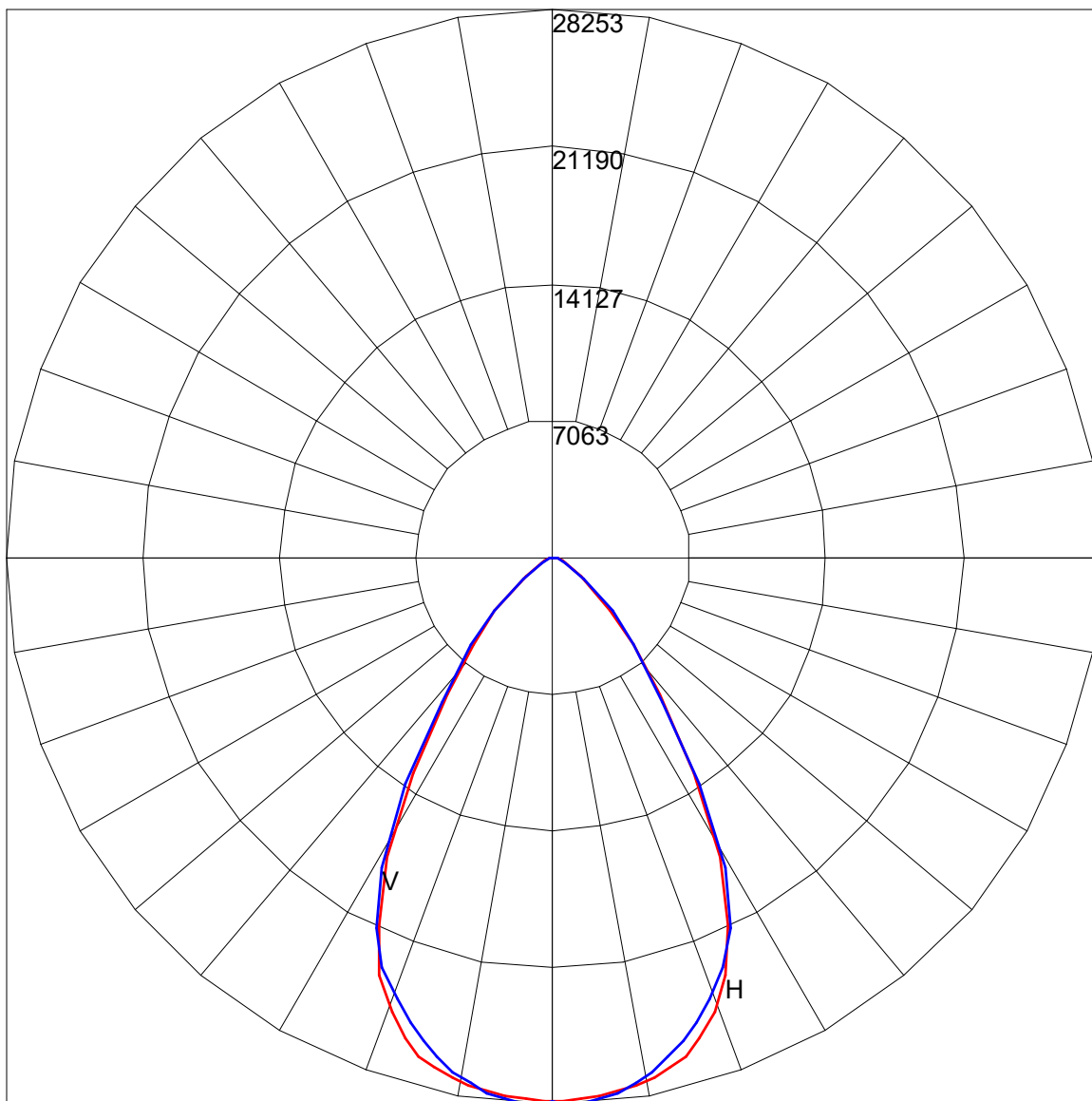
15	0.16	0.01	471.68
13	0.16	0.01	487.60
11	0.17	0.01	501.36
9	0.17	0.01	512.65
7	0.17	0.01	521.41
5	0.17	0.01	527.53
3	0.17	0.01	530.68
1	0.08	0.00	265.53
0	0.08	0.00	265.53
-1	0.17	0.01	530.68
-3	0.17	0.01	527.53
-5	0.17	0.01	521.41
-7	0.17	0.01	512.65
-9	0.17	0.01	501.36
-11	0.16	0.01	487.60
-13	0.16	0.01	471.68
-15	0.16	0.01	453.81
-17	0.20	0.01	538.99
-19.5	0.23	0.01	600.72
-22.5	0.23	0.01	543.93
-25.5	0.26	0.01	551.13
-29	0.28	0.01	507.70
-33	0.30	0.01	427.03
-37.5	0.32	0.01	338.48
-42.5	0.29	0.01	234.32
-47.5	0.39	0.01	217.17
-55	0.42	0.02	142.59
-65	0.30	0.01	61.49

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

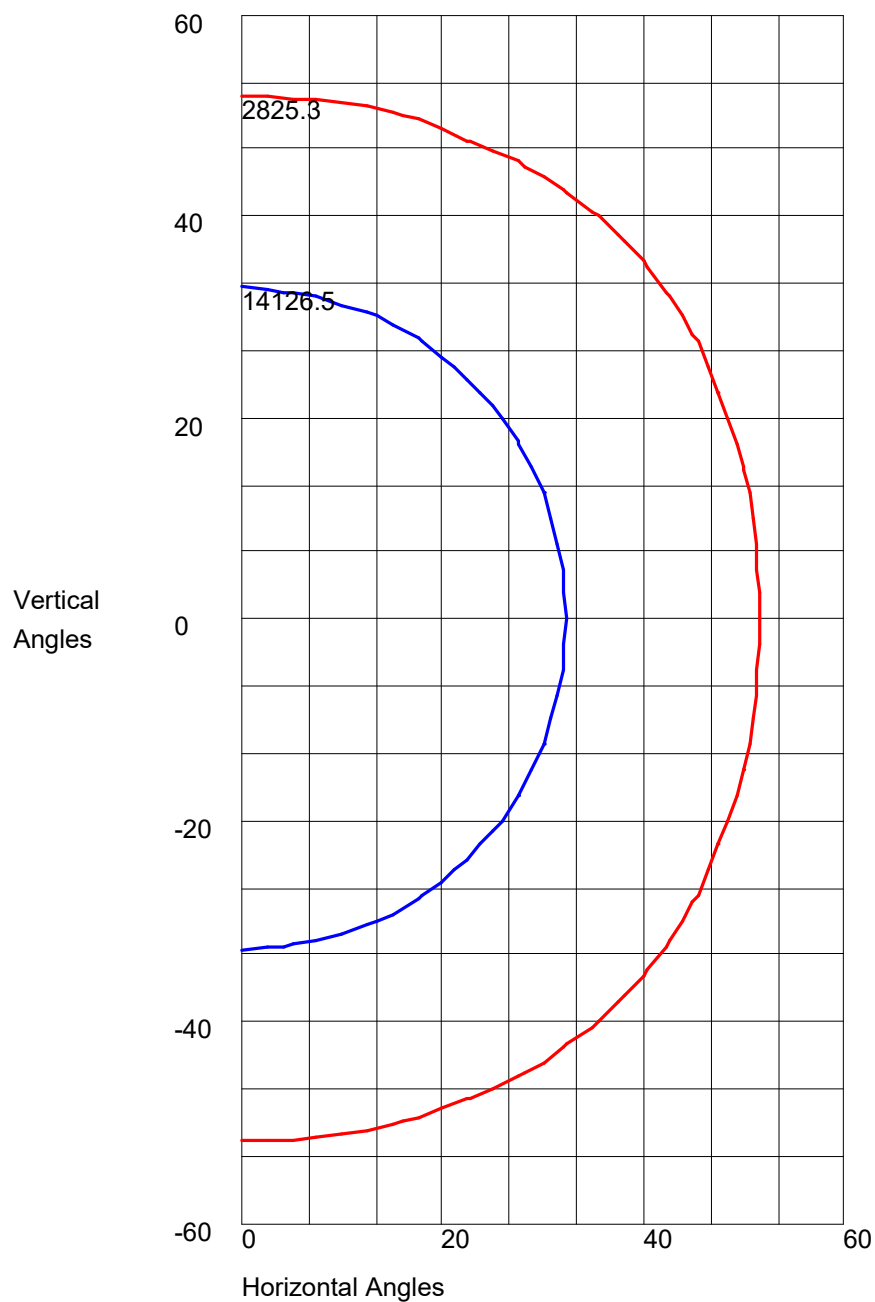
-75	0.17	0.01	24.75
-85	0.02	0.00	3.30
-90			
Total	9.63	0.36	16927.7

AXIAL CANDELA DISPLAY



Maximum Candela = 28253 Located At Horizontal Angle = 0, Vertical Angle = -3
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 28253 Located At Horizontal Angle = 0, Vertical Angle = -3
50% Maximum Candela = 14126.5
10% Maximum Candela = 2825.3