



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-40-80.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12453
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 01/21/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-16L-PC-WF-40-80
[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	5 H x 5 V
Maximum Candela	13502
Maximum Candela Angle	-3H 0V
Horizontal Beam Angle (50%)	71.5
Vertical Beam Angle (50%)	70.9
Horizontal Field Angle (10%)	90.2
Vertical Field Angle (10%)	89.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	13117
Beam Efficiency	N.A.
Field Lumens	15258
Field Efficiency	N.A.
Spill Lumens	1313
Luminaire Lumens	16571
Total Efficiency	N.A.
Total Luminaire Watts	142
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	47	85	53
75	142	75	149
65	276	65	286
55	438	55	426
47.5	741	47.5	709
42.5	2001	42.5	1891
37.5	5548	37.5	5426
33	8676	33	8514
29	10485	29	10311
25.5	11469	25.5	11332
22.5	12068	22.5	11944
19.5	12512	19.5	12378
17	12806	17	12659
15	12998	15	12838
13	13144	13	12984
11	13266	11	13099
9	13362	9	13187
7	13434	7	13253
5	13484	5	13296
3	13502	3	13310
1	13431	1	13354
0	13380	0	13380
-1	13431	-1	13354
-3	13502	-3	13310
-5	13484	-5	13296
-7	13434	-7	13253
-9	13362	-9	13187
-11	13266	-11	13099
-13	13144	-13	12984
-15	12998	-15	12838
-17	12806	-17	12659
-19.5	12512	-19.5	12378
-22.5	12068	-22.5	11944
-25.5	11469	-25.5	11332
-29	10485	-29	10311
-33	8676	-33	8514
-37.5	5548	-37.5	5426
-42.5	2001	-42.5	1891
-47.5	741	-47.5	709
-55	438	-55	426
-65	276	-65	286
-75	142	-75	149
-85	47	-85	53
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 13502

Beam Edge = 6751 Cd (50% of Max.)

Field Edge = 1350.2 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	5	15	24	32	36	38	41	43	46
75.0	0	13	42	69	93	105	112	123	134	141
65.0	0	22	65	111	150	176	195	211	225	237
55.0	0	29	86	146	204	248	277	304	325	342
47.5	0	33	99	170	247	303	339	377	408	443
42.5	0	36	107	186	276	338	381	434	498	571
37.5	0	38	115	201	302	374	433	527	670	924
33.0	0	40	121	214	324	408	498	670	1038	1816 *
29.0	0	42	126	225	343	445	573	931	1862 *	3568 *
25.5	0	43	130	234	358	479	669	1356 *	3086 *	5260 *
22.5	0	44	132	241	370	518	786	1878 *	4239 *	6617 *
19.5	0	45	135	248	384	554	953	2600 *	5396 *	7774 *
17.0	0	45	137	253	395	588	1078	3199 *	6230 *	8528 *
15.0	0	46	138	257	404	621	1253	3624 *	6820 *	9050 *
13.0	0	46	139	261	411	651	1437 *	4104 *	7347 *	9416 *
11.0	0	47	140	264	418	676	1594 *	4532 *	7748 *	9739 *
9.0	0	47	141	267	424	697	1727 *	4889 *	8060 *	10014 *
7.0	0	47	142	270	429	715	1833 *	5168 *	8307 *	10207 *
5.0	0	47	143	273	433	727	1914 *	5371 *	8493 *	10332 *
3.0	0	47	142	275	436	740	1999 *	5497 *	8617 *	10416 *
1.0	0	47	142	276	437	741	2000 *	5558 *	8673 *	10472 *
0.0	0	47	142	276	438	741	2001 *	5548 *	8676 *	10485 *
-1.0	0	47	142	276	437	741	2000 *	5558 *	8673 *	10472 *
-3.0	0	47	142	275	436	740	1999 *	5497 *	8617 *	10416 *
-5.0	0	47	143	273	433	727	1914 *	5371 *	8493 *	10332 *
-7.0	0	47	142	270	429	715	1833 *	5168 *	8307 *	10207 *
-9.0	0	47	141	267	424	697	1727 *	4889 *	8060 *	10014 *
-11.0	0	47	140	264	418	676	1594 *	4532 *	7748 *	9739 *
-13.0	0	46	139	261	411	651	1437 *	4104 *	7347 *	9416 *
-15.0	0	46	138	257	404	621	1253	3624 *	6820 *	9050 *
-17.0	0	45	137	253	395	588	1078	3199 *	6230 *	8528 *
-19.5	0	45	135	248	384	554	953	2600 *	5396 *	7774 *
-22.5	0	44	132	241	370	518	786	1878 *	4239 *	6617 *
-25.5	0	43	130	234	358	479	669	1356 *	3086 *	5260 *
-29.0	0	42	126	225	343	445	573	931	1862 *	3568 *
-33.0	0	40	121	214	324	408	498	670	1038	1816 *
-37.5	0	38	115	201	302	374	433	527	670	924
-42.5	0	36	107	186	276	338	381	434	498	571
-47.5	0	33	99	170	247	303	339	377	408	443
-55.0	0	29	86	146	204	248	277	304	325	342
-65.0	0	22	65	111	150	176	195	211	225	237
-75.0	0	13	42	69	93	105	112	123	134	141
-85.0	0	5	15	24	32	36	38	41	43	46
-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	47	49	50	51	51	52	53	53	53	53
75.0	147	150	151	151	151	151	151	151	150	150
65.0	247	254	259	264	267	270	273	276	279	282
55.0	356	367	378	387	393	399	405	411	416	420
47.5	474	510	543	574	605	632	655	675	692	704
42.5	669	778	929	1041	1199	1366 *	1510 *	1631 *	1728 *	1800 *
37.5	1316	1781 *	2453 *	3016 *	3418 *	3887 *	4301 *	4657 *	4951 *	5174 *
33.0	3005 *	4117 *	5235 *	6015 *	6565 *	7092 *	7525 *	7863 *	8118 *	8303 *
29.0	5224 *	6550 *	7676 *	8404 *	8919 *	9275 *	9594 *	9866 *	10058 *	10176 *
25.5	7071 *	8302 *	9262 *	9890 *	10256 *	10557 *	10829 *	10996 *	11122 *	11225 *
22.5	8331 *	9426 *	10242 *	10746 *	11063 *	11313 *	11522 *	11657 *	11767 *	11853 *
19.5	9318 *	10267 *	10950 *	11366 *	11641 *	11850 *	12019 *	12133 *	12232 *	12311 *
17.0	9950 *	10783 *	11376 *	11750 *	12005 *	12179 *	12331 *	12434 *	12516 *	12584 *
15.0	10327 *	11097 *	11654 *	12014 *	12221 *	12403 *	12530 *	12637 *	12701 *	12761 *
13.0	10631 *	11350 *	11874 *	12207 *	12424 *	12580 *	12707 *	12798 *	12865 *	12909 *
11.0	10902 *	11571 *	12064 *	12385 *	12579 *	12737 *	12854 *	12940 *	12999 *	13034 *
9.0	11088 *	11728 *	12205 *	12514 *	12716 *	12869 *	12984 *	13065 *	13112 *	13142 *
7.0	11232 *	11862 *	12331 *	12630 *	12819 *	12979 *	13094 *	13171 *	13216 *	13231 *
5.0	11344 *	11964 *	12431 *	12733 *	12913 *	13061 *	13180 *	13264 *	13311 *	13317 *
3.0	11423 *	12033 *	12486 *	12785 *	12973 *	13122 *	13245 *	13335 *	13394 *	13411 *
1.0	11464 *	12069 *	12511 *	12806 *	13001 *	13146 *	13269 *	13366 *	13438 *	13487 *
0.0	11469 *	12068 *	12512 *	12806 *	12998 *	13144 *	13266 *	13362 *	13434 *	13484 *
-1.0	11464 *	12069 *	12511 *	12806 *	13001 *	13146 *	13269 *	13366 *	13438 *	13487 *
-3.0	11423 *	12033 *	12486 *	12785 *	12973 *	13122 *	13245 *	13335 *	13394 *	13411 *
-5.0	11344 *	11964 *	12431 *	12733 *	12913 *	13061 *	13180 *	13264 *	13311 *	13317 *
-7.0	11232 *	11862 *	12331 *	12630 *	12819 *	12979 *	13094 *	13171 *	13216 *	13231 *
-9.0	11088 *	11728 *	12205 *	12514 *	12716 *	12869 *	12984 *	13065 *	13112 *	13142 *
-11.0	10902 *	11571 *	12064 *	12385 *	12579 *	12737 *	12854 *	12940 *	12999 *	13034 *
-13.0	10631 *	11350 *	11874 *	12207 *	12424 *	12580 *	12707 *	12798 *	12865 *	12909 *
-15.0	10327 *	11097 *	11654 *	12014 *	12221 *	12403 *	12530 *	12637 *	12701 *	12761 *
-17.0	9950 *	10783 *	11376 *	11750 *	12005 *	12179 *	12331 *	12434 *	12516 *	12584 *
-19.5	9318 *	10267 *	10950 *	11366 *	11641 *	11850 *	12019 *	12133 *	12232 *	12311 *
-22.5	8331 *	9426 *	10242 *	10746 *	11063 *	11313 *	11522 *	11657 *	11767 *	11853 *
-25.5	7071 *	8302 *	9262 *	9890 *	10256 *	10557 *	10829 *	10996 *	11122 *	11225 *
-29.0	5224 *	6550 *	7676 *	8404 *	8919 *	9275 *	9594 *	9866 *	10058 *	10176 *
-33.0	3005 *	4117 *	5235 *	6015 *	6565 *	7092 *	7525 *	7863 *	8118 *	8303 *
-37.5	1316	1781 *	2453 *	3016 *	3418 *	3887 *	4301 *	4657 *	4951 *	5174 *
-42.5	669	778	929	1041	1199	1366 *	1510 *	1631 *	1728 *	1800 *
-47.5	474	510	543	574	605	632	655	675	692	704
-55.0	356	367	378	387	393	399	405	411	416	420
-65.0	247	254	259	264	267	270	273	276	279	282
-75.0	147	150	151	151	151	151	151	151	150	150
-85.0	47	49	50	51	51	52	53	53	53	53
-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	53	53	53	53	53	53	53	53	53	52
75.0	150	149	149	149	150	150	150	151	151	151
65.0	285	286	286	286	285	282	279	276	273	270

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CANDELA TABULATION - (Cont.)

55.0	424	425	426	425	424	420	416	411	405	399
47.5	716	711	709	711	716	704	692	675	655	632
42.5	1878 *	1887 *	1891 *	1887 *	1878 *	1800 *	1728 *	1631 *	1510 *	1366 *
37.5	5324 *	5418 *	5426 *	5418 *	5324 *	5174 *	4951 *	4657 *	4301 *	3887 *
33.0	8425 *	8500 *	8514 *	8500 *	8425 *	8303 *	8118 *	7863 *	7525 *	7092 *
29.0	10254 *	10301 *	10311 *	10301 *	10254 *	10176 *	10058 *	9866 *	9594 *	9275 *
25.5	11295 *	11329 *	11332 *	11329 *	11295 *	11225 *	11122 *	10996 *	10829 *	10557 *
22.5	11914 *	11947 *	11944 *	11947 *	11914 *	11853 *	11767 *	11657 *	11522 *	11313 *
19.5	12359 *	12379 *	12378 *	12379 *	12359 *	12311 *	12232 *	12133 *	12019 *	11850 *
17.0	12629 *	12653 *	12659 *	12653 *	12629 *	12584 *	12516 *	12434 *	12331 *	12179 *
15.0	12805 *	12836 *	12838 *	12836 *	12805 *	12761 *	12701 *	12637 *	12530 *	12403 *
13.0	12947 *	12977 *	12984 *	12977 *	12947 *	12909 *	12865 *	12798 *	12707 *	12580 *
11.0	13063 *	13090 *	13099 *	13090 *	13063 *	13034 *	12999 *	12940 *	12854 *	12737 *
9.0	13158 *	13179 *	13187 *	13179 *	13158 *	13142 *	13112 *	13065 *	12984 *	12869 *
7.0	13232 *	13245 *	13253 *	13245 *	13232 *	13231 *	13216 *	13171 *	13094 *	12979 *
5.0	13298 *	13288 *	13296 *	13288 *	13298 *	13317 *	13311 *	13264 *	13180 *	13061 *
3.0	13372 *	13304 *	13310 *	13304 *	13372 *	13411 *	13394 *	13335 *	13245 *	13122 *
1.0	13490 *	13383 *	13354 *	13383 *	13490 *	13487 *	13438 *	13366 *	13269 *	13146 *
0.0	13502 *	13431 *	13380 *	13431 *	13502 *	13484 *	13434 *	13362 *	13266 *	13144 *
-1.0	13490 *	13383 *	13354 *	13383 *	13490 *	13487 *	13438 *	13366 *	13269 *	13146 *
-3.0	13372 *	13304 *	13310 *	13304 *	13372 *	13411 *	13394 *	13335 *	13245 *	13122 *
-5.0	13298 *	13288 *	13296 *	13288 *	13298 *	13317 *	13311 *	13264 *	13180 *	13061 *
-7.0	13232 *	13245 *	13253 *	13245 *	13232 *	13231 *	13216 *	13171 *	13094 *	12979 *
-9.0	13158 *	13179 *	13187 *	13179 *	13158 *	13142 *	13112 *	13065 *	12984 *	12869 *
-11.0	13063 *	13090 *	13099 *	13090 *	13063 *	13034 *	12999 *	12940 *	12854 *	12737 *
-13.0	12947 *	12977 *	12984 *	12977 *	12947 *	12909 *	12865 *	12798 *	12707 *	12580 *
-15.0	12805 *	12836 *	12838 *	12836 *	12805 *	12761 *	12701 *	12637 *	12530 *	12403 *
-17.0	12629 *	12653 *	12659 *	12653 *	12629 *	12584 *	12516 *	12434 *	12331 *	12179 *
-19.5	12359 *	12379 *	12378 *	12379 *	12359 *	12311 *	12232 *	12133 *	12019 *	11850 *
-22.5	11914 *	11947 *	11944 *	11947 *	11914 *	11853 *	11767 *	11657 *	11522 *	11313 *
-25.5	11295 *	11329 *	11332 *	11329 *	11295 *	11225 *	11122 *	10996 *	10829 *	10557 *
-29.0	10254 *	10301 *	10311 *	10301 *	10254 *	10176 *	10058 *	9866 *	9594 *	9275 *
-33.0	8425 *	8500 *	8514 *	8500 *	8425 *	8303 *	8118 *	7863 *	7525 *	7092 *
-37.5	5324 *	5418 *	5426 *	5418 *	5324 *	5174 *	4951 *	4657 *	4301 *	3887 *
-42.5	1878 *	1887 *	1891 *	1887 *	1878 *	1800 *	1728 *	1631 *	1510 *	1366 *
-47.5	716	711	709	711	716	704	692	675	655	632
-55.0	424	425	426	425	424	420	416	411	405	399
-65.0	285	286	286	286	285	282	279	276	273	270
-75.0	150	149	149	149	150	150	150	151	151	151
-85.0	53	53	53	53	53	53	53	53	53	52
-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	51	51	50	49	47	46	43	41	38	36
75.0	151	151	151	150	147	141	134	123	112	105
65.0	267	264	259	254	247	237	225	211	195	176
55.0	393	387	378	367	356	342	325	304	277	248
47.5	605	574	543	510	474	443	408	377	339	303
42.5	1199	1041	929	778	669	571	498	434	381	338
37.5	3418 *	3016 *	2453 *	1781 *	1316	924	670	527	433	374
33.0	6565 *	6015 *	5235 *	4117 *	3005 *	1816 *	1038	670	498	408
29.0	8919 *	8404 *	7676 *	6550 *	5224 *	3568 *	1862 *	931	573	445
25.5	10256 *	9890 *	9262 *	8302 *	7071 *	5260 *	3086 *	1356 *	669	479

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CANDELA TABULATION - (Cont.)

22.5	11063 *	10746 *	10242 *	9426 *	8331 *	6617 *	4239 *	1878 *	786	518
19.5	11641 *	11366 *	10950 *	10267 *	9318 *	7774 *	5396 *	2600 *	953	554
17.0	12005 *	11750 *	11376 *	10783 *	9950 *	8528 *	6230 *	3199 *	1078	588
15.0	12221 *	12014 *	11654 *	11097 *	10327 *	9050 *	6820 *	3624 *	1253	621
13.0	12424 *	12207 *	11874 *	11350 *	10631 *	9416 *	7347 *	4104 *	1437 *	651
11.0	12579 *	12385 *	12064 *	11571 *	10902 *	9739 *	7748 *	4532 *	1594 *	676
9.0	12716 *	12514 *	12205 *	11728 *	11088 *	10014 *	8060 *	4889 *	1727 *	697
7.0	12819 *	12630 *	12331 *	11862 *	11232 *	10207 *	8307 *	5168 *	1833 *	715
5.0	12913 *	12733 *	12431 *	11964 *	11344 *	10332 *	8493 *	5371 *	1914 *	727
3.0	12973 *	12785 *	12486 *	12033 *	11423 *	10416 *	8617 *	5497 *	1999 *	740
1.0	13001 *	12806 *	12511 *	12069 *	11464 *	10472 *	8673 *	5558 *	2000 *	741
0.0	12998 *	12806 *	12512 *	12068 *	11469 *	10485 *	8676 *	5548 *	2001 *	741
-1.0	13001 *	12806 *	12511 *	12069 *	11464 *	10472 *	8673 *	5558 *	2000 *	741
-3.0	12973 *	12785 *	12486 *	12033 *	11423 *	10416 *	8617 *	5497 *	1999 *	740
-5.0	12913 *	12733 *	12431 *	11964 *	11344 *	10332 *	8493 *	5371 *	1914 *	727
-7.0	12819 *	12630 *	12331 *	11862 *	11232 *	10207 *	8307 *	5168 *	1833 *	715
-9.0	12716 *	12514 *	12205 *	11728 *	11088 *	10014 *	8060 *	4889 *	1727 *	697
-11.0	12579 *	12385 *	12064 *	11571 *	10902 *	9739 *	7748 *	4532 *	1594 *	676
-13.0	12424 *	12207 *	11874 *	11350 *	10631 *	9416 *	7347 *	4104 *	1437 *	651
-15.0	12221 *	12014 *	11654 *	11097 *	10327 *	9050 *	6820 *	3624 *	1253	621
-17.0	12005 *	11750 *	11376 *	10783 *	9950 *	8528 *	6230 *	3199 *	1078	588
-19.5	11641 *	11366 *	10950 *	10267 *	9318 *	7774 *	5396 *	2600 *	953	554
-22.5	11063 *	10746 *	10242 *	9426 *	8331 *	6617 *	4239 *	1878 *	786	518
-25.5	10256 *	9890 *	9262 *	8302 *	7071 *	5260 *	3086 *	1356 *	669	479
-29.0	8919 *	8404 *	7676 *	6550 *	5224 *	3568 *	1862 *	931	573	445
-33.0	6565 *	6015 *	5235 *	4117 *	3005 *	1816 *	1038	670	498	408
-37.5	3418 *	3016 *	2453 *	1781 *	1316	924	670	527	433	374
-42.5	1199	1041	929	778	669	571	498	434	381	338
-47.5	605	574	543	510	474	443	408	377	339	303
-55.0	393	387	378	367	356	342	325	304	277	248
-65.0	267	264	259	254	247	237	225	211	195	176
-75.0	151	151	151	150	147	141	134	123	112	105
-85.0	51	51	50	49	47	46	43	41	38	36
-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	32	24	15	5	0
75.0	93	69	42	13	0
65.0	150	111	65	22	0
55.0	204	146	86	29	0
47.5	247	170	99	33	0
42.5	276	186	107	36	0
37.5	302	201	115	38	0
33.0	324	214	121	40	0
29.0	343	225	126	42	0
25.5	358	234	130	43	0
22.5	370	241	132	44	0
19.5	384	248	135	45	0
17.0	395	253	137	45	0
15.0	404	257	138	46	0
13.0	411	261	139	46	0
11.0	418	264	140	47	0
9.0	424	267	141	47	0

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	429	270	142	47	0
5.0	433	273	143	47	0
3.0	436	275	142	47	0
1.0	437	276	142	47	0
0.0	438	276	142	47	0
-1.0	437	276	142	47	0
-3.0	436	275	142	47	0
-5.0	433	273	143	47	0
-7.0	429	270	142	47	0
-9.0	424	267	141	47	0
-11.0	418	264	140	47	0
-13.0	411	261	139	46	0
-15.0	404	257	138	46	0
-17.0	395	253	137	45	0
-19.5	384	248	135	45	0
-22.5	370	241	132	44	0
-25.5	358	234	130	43	0
-29.0	343	225	126	42	0
-33.0	324	214	121	40	0
-37.5	302	201	115	38	0
-42.5	276	186	107	36	0
-47.5	247	170	99	33	0
-55.0	204	146	86	29	0
-65.0	150	111	65	22	0
-75.0	93	69	42	13	0
-85.0	32	24	15	5	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 8285.74

Total Field Lumens (one side of beam only) = 7629.02

* 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	0.04	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.09
75	0.31	0.62	0.62	0.61	0.61	0.61	0.61	0.60	0.59	0.73
65	0.66	1.32	1.32	1.30	1.29	1.28	1.26	1.24	1.22	1.49
55	1.08	2.16	2.14	2.12	2.08	2.05	2.01	1.96	1.92	2.33
47.5	1.30	2.60	2.58	2.54	2.48	2.41	2.34	2.25	2.15	2.55
42.5	1.98	3.95	3.87	3.73	3.56	3.35	3.10	2.81	2.50	2.79
37.5	5.57 *	11.04 *	10.77 *	10.34 *	9.78 *	9.07 *	8.24 *	7.29 *	6.35 *	6.72 *
33	9.55 *	18.95 *	18.61 *	18.09 *	17.37 *	16.43 *	15.29 *	13.94 *	12.53 *	13.60 *
29	11.46 *	22.82 *	22.58 *	22.21 *	21.66 *	20.91 *	19.95 *	18.83 *	17.51 *	19.76 *
25.5	11.53 *	23.00 *	22.84 *	22.57 *	22.19 *	21.67 *	20.99 *	20.18 *	19.20 *	22.29 *
22.5	10.63 *	21.23 *	21.10 *	20.89 *	20.61 *	20.25 *	19.76 *	19.15 *	18.43 *	21.77 *
19.5	11.11 *	22.19 *	22.08 *	21.89 *	21.62 *	21.30 *	20.87 *	20.33 *	19.68 *	23.49 *
17	9.53 *	19.03 *	18.95 *	18.80 *	18.59 *	18.34 *	18.02 *	17.61 *	17.12 *	20.54 *
15	7.77 *	15.50 *	15.43 *	15.32 *	15.17 *	14.98 *	14.73 *	14.43 *	14.05 *	16.92 *
13	7.86 *	15.70 *	15.63 *	15.52 *	15.38 *	15.20 *	14.96 *	14.67 *	14.31 *	17.27 *
11	7.94 *	15.85 *	15.79 *	15.69 *	15.57 *	15.39 *	15.16 *	14.87 *	14.52 *	17.55 *
9	8.00 *	15.98 *	15.92 *	15.84 *	15.72 *	15.55 *	15.33 *	15.04 *	14.70 *	17.78 *
7	8.05 *	16.08 *	16.03 *	15.96 *	15.86 *	15.69 *	15.47 *	15.19 *	14.84 *	17.96 *
5	8.08 *	16.15 *	16.13 *	16.08 *	15.98 *	15.81 *	15.59 *	15.30 *	14.96 *	18.12 *
3	8.10 *	16.21 *	16.23 *	16.19 *	16.08 *	15.91 *	15.67 *	15.39 *	15.05 *	18.24 *
1	8.13 *	16.30 *	16.34 *	16.28 *	16.15 *	15.96 *	15.73 *	15.44 *	15.10 *	18.29 *
0	4.08 *	8.19 *	8.20 *	8.16 *	8.08 *	7.99 *	7.87 *	7.73 *	7.56 *	9.15 *
-1	4.08 *	8.19 *	8.20 *	8.16 *	8.08 *	7.99 *	7.87 *	7.73 *	7.56 *	9.15 *
	8.13 *	16.30 *	16.34 *	16.28 *	16.15 *	15.96 *	15.73 *	15.44 *	15.10 *	18.29 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	8.10 *	16.21 *	16.23 *	16.19 *	16.08 *	15.91 *	15.67 *	15.39 *	15.05 *	18.24 *
-5	8.08 *	16.15 *	16.13 *	16.08 *	15.98 *	15.81 *	15.59 *	15.30 *	14.96 *	18.12 *
-7	8.05 *	16.08 *	16.03 *	15.96 *	15.86 *	15.69 *	15.47 *	15.19 *	14.84 *	17.96 *
-9	8.00 *	15.98 *	15.92 *	15.84 *	15.72 *	15.55 *	15.33 *	15.04 *	14.70 *	17.78 *
-11	7.94 *	15.85 *	15.79 *	15.69 *	15.57 *	15.39 *	15.16 *	14.87 *	14.52 *	17.55 *
-13	7.86 *	15.70 *	15.63 *	15.52 *	15.38 *	15.20 *	14.96 *	14.67 *	14.31 *	17.27 *
-15	7.77 *	15.50 *	15.43 *	15.32 *	15.17 *	14.98 *	14.73 *	14.43 *	14.05 *	16.92 *
-17	9.53 *	19.03 *	18.95 *	18.80 *	18.59 *	18.34 *	18.02 *	17.61 *	17.12 *	20.54 *
-19.5	11.11 *	22.19 *	22.08 *	21.89 *	21.62 *	21.30 *	20.87 *	20.33 *	19.68 *	23.49 *
-22.5	10.63 *	21.23 *	21.10 *	20.89 *	20.61 *	20.25 *	19.76 *	19.15 *	18.43 *	21.77 *
-25.5	11.53 *	23.00 *	22.84 *	22.57 *	22.19 *	21.67 *	20.99 *	20.18 *	19.20 *	22.29 *
-29	11.46 *	22.82 *	22.58 *	22.21 *	21.66 *	20.91 *	19.95 *	18.83 *	17.51 *	19.76 *
-33	9.55 *	18.95 *	18.61 *	18.09 *	17.37 *	16.43 *	15.29 *	13.94 *	12.53 *	13.60 *
-37.5	5.57 *	11.04 *	10.77 *	10.34 *	9.78 *	9.07 *	8.24 *	7.29 *	6.35 *	6.72 *
-42.5	1.98	3.95	3.87	3.73	3.56	3.35	3.10	2.81	2.50	2.79
-47.5	1.30	2.60	2.58	2.54	2.48	2.41	2.34	2.25	2.15	2.55
-55	1.08	2.16	2.14	2.12	2.08	2.05	2.01	1.96	1.92	2.33
-65	0.66	1.32	1.32	1.30	1.29	1.28	1.26	1.24	1.22	1.49
-75	0.31	0.62	0.62	0.61	0.61	0.61	0.61	0.60	0.59	0.73
-85	0.04	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.09
-90										
Total	285.55	569.92	566.44	560.40	551.83	540.48	526.04	508.64	488.71	578.90

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.11	0.10	0.11	0.12	0.12	0.12	0.10	0.12	0.11	0.05
85	0.85	0.82	0.90	0.95	0.95	0.92	0.78	0.95	0.83	0.39
75	1.74	1.67	1.83	1.92	1.94	1.87	1.58	1.87	1.61	0.75
65	2.68	2.55	2.80	2.95	2.98	2.88	2.41	2.78	2.32	1.06
55	2.88	2.67	2.87	2.97	2.97	2.84	2.36	2.68	2.19	0.98

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	2.94	2.54	2.56	2.51	2.40	2.23	1.83	2.08	1.67	0.73
42.5	6.34 *	4.74	4.12	3.48	2.98	2.59	2.05	2.30	1.83	0.79
37.5	13.04 *	9.60 *	7.53 *	5.23	3.66	2.79	2.07	2.26	1.78	0.76
33	20.11 *	15.77 *	12.90 *	8.65 *	5.04	3.12	2.07	2.17	1.68	0.71
29	23.73 *	19.83 *	17.52 *	12.59 *	7.08 *	3.60	2.04	2.03	1.54	0.65
25.5	23.82 *	20.74 *	19.39 *	15.04 *	8.86 *	4.10	1.98	1.85	1.37	0.58
22.5	26.16 *	23.38 *	22.77 *	18.82 *	11.85 *	5.44 *	2.27	1.96	1.42	0.59
19.5	23.13 *	21.03 *	21.07 *	18.23 *	12.19 *	5.71 *	2.14	1.72	1.22	0.50
17	19.16 *	17.60 *	17.94 *	15.99 *	11.12 *	5.34 *	1.91	1.43	1.00	0.41
15	19.61 *	18.12 *	18.68 *	17.04 *	12.25 *	6.08 *	2.13	1.49	1.01	0.41
13	19.99 *	18.55 *	19.28 *	17.88 *	13.28 *	6.80 *	2.35	1.54	1.03	0.42
11	20.29 *	18.90 *	19.78 *	18.57 *	14.12 *	7.43 *	2.53	1.58	1.04	0.42
9	20.53 *	19.16 *	20.16 *	19.10 *	14.79 *	7.94 *	2.68	1.62	1.06	0.43
7	20.72 *	19.37 *	20.43 *	19.50 *	15.30 *	8.33 *	2.79	1.65	1.07	0.43
5	20.86 *	19.52 *	20.62 *	19.77 *	15.66 *	8.62 *	2.90	1.67	1.08	0.43
3	20.94 *	19.61 *	20.74 *	19.93 *	15.86 *	8.78 *	2.95 *	1.68	1.08	0.43
1	10.48 *	9.82 *	10.40 *	10.00 *	7.96 *	4.41 *	1.48 *	0.84	0.54	0.22
0	10.48 *	9.82 *	10.40 *	10.00 *	7.96 *	4.41 *	1.48 *	0.84	0.54	0.22
-1	20.94 *	19.61 *	20.74 *	19.93 *	15.86 *	8.78 *	2.95 *	1.68	1.08	0.43
-3	20.86 *	19.52 *	20.62 *	19.77 *	15.66 *	8.62 *	2.90	1.67	1.08	0.43
-5	20.72 *	19.37 *	20.43 *	19.50 *	15.30 *	8.33 *	2.79	1.65	1.07	0.43
-7	20.53 *	19.16 *	20.16 *	19.10 *	14.79 *	7.94 *	2.68	1.62	1.06	0.43
-9	20.29 *	18.90 *	19.78 *	18.57 *	14.12 *	7.43 *	2.53	1.58	1.04	0.42
-11	19.99 *	18.55 *	19.28 *	17.88 *	13.28 *	6.80 *	2.35	1.54	1.03	0.42
-13	19.61 *	18.12 *	18.68 *	17.04 *	12.25 *	6.08 *	2.13	1.49	1.01	0.41
-15	19.16 *	17.60 *	17.94 *	15.99 *	11.12 *	5.34 *	1.91	1.43	1.00	0.41
-17	23.13 *	21.03 *	21.07 *	18.23 *	12.19 *	5.71 *	2.14	1.72	1.22	0.50
-19.5	26.16 *	23.38 *	22.77 *	18.82 *	11.85 *	5.44 *	2.27	1.96	1.42	0.59

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	23.82 *	20.74 *	19.39 *	15.04 *	8.86 *	4.10	1.98	1.85	1.37	0.58
-25.5	23.73 *	19.83 *	17.52 *	12.59 *	7.08 *	3.60	2.04	2.03	1.54	0.65
-29	20.11 *	15.77 *	12.90 *	8.65 *	5.04	3.12	2.07	2.17	1.68	0.71
-33	13.04 *	9.60 *	7.53 *	5.23	3.66	2.79	2.07	2.26	1.78	0.76
-37.5	6.34 *	4.74	4.12	3.48	2.98	2.59	2.05	2.30	1.83	0.79
-42.5	2.94	2.54	2.56	2.51	2.40	2.23	1.83	2.08	1.67	0.73
-47.5	2.88	2.67	2.87	2.97	2.97	2.84	2.36	2.68	2.19	0.98
-55	2.68	2.55	2.80	2.95	2.98	2.88	2.41	2.78	2.32	1.06
-65	1.74	1.67	1.83	1.92	1.94	1.87	1.58	1.87	1.61	0.75
-75	0.85	0.82	0.90	0.95	0.95	0.92	0.78	0.95	0.83	0.39
-85	0.11	0.10	0.11	0.12	0.12	0.12	0.10	0.12	0.11	0.05
-90										
Total	640.20	572.18	568.78	502.42	366.69	203.84	90.79	76.57	56.98	24.30

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		1.82
85				
	0.10	0.00		14.36
75				
	0.19	0.01		29.35
65				
	0.27	0.01		45.55
55				
	0.24	0.01		48.85
47.5				
	0.18	0.01		53.33
42.5				
	0.20	0.01		116.60
37.5				
	0.19	0.01		203.27
33				
	0.17	0.01		270.11
29				
	0.16	0.00		297.25
25.5				
	0.14	0.00		291.68
22.5				
	0.14	0.00		319.36
19.5				
	0.12	0.00		283.58
17				
	0.10	0.00		236.27

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

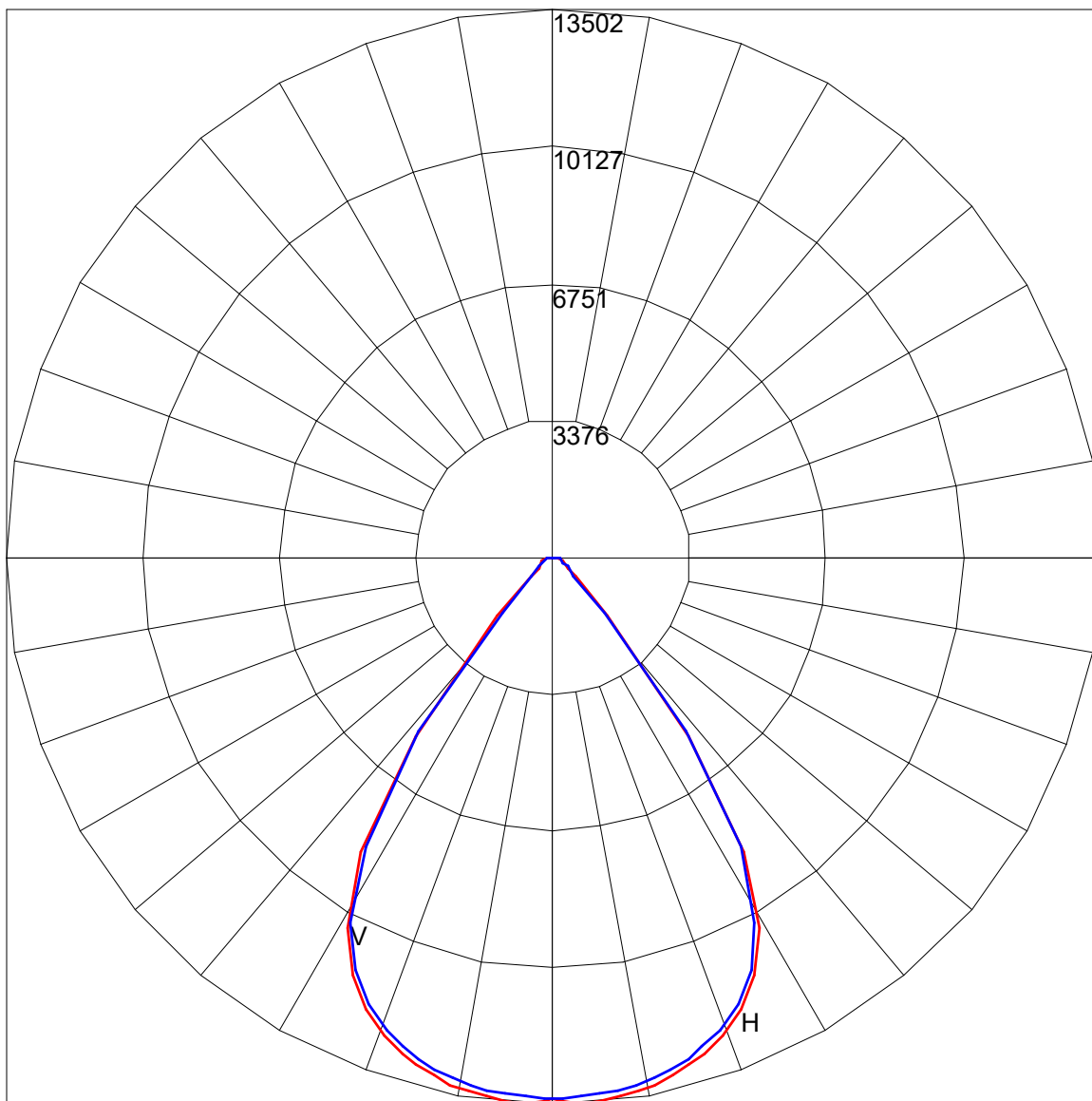
15			
	0.10	0.00	243.42
13			
	0.10	0.00	249.55
11			
	0.10	0.00	254.63
9			
	0.10	0.00	258.69
7			
	0.10	0.00	261.89
5			
	0.10	0.00	264.29
3			
	0.10	0.00	265.83
1			
	0.05	0.00	133.20
0			
	0.05	0.00	133.20
-1			
	0.10	0.00	265.83
-3			
	0.10	0.00	264.29
-5			
	0.10	0.00	261.89
-7			
	0.10	0.00	258.69
-9			
	0.10	0.00	254.63
-11			
	0.10	0.00	249.55
-13			
	0.10	0.00	243.42
-15			
	0.10	0.00	236.27
-17			
	0.12	0.00	283.58
-19.5			
	0.14	0.00	319.36
-22.5			
	0.14	0.00	291.68
-25.5			
	0.16	0.00	297.25
-29			
	0.17	0.01	270.11
-33			
	0.19	0.01	203.27
-37.5			
	0.20	0.01	116.60
-42.5			
	0.18	0.01	53.33
-47.5			
	0.24	0.01	48.85
-55			
	0.27	0.01	45.55
-65			
	0.19	0.01	29.35

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-WF-40-80.IES

LUMENS TABULATION - (Cont.)

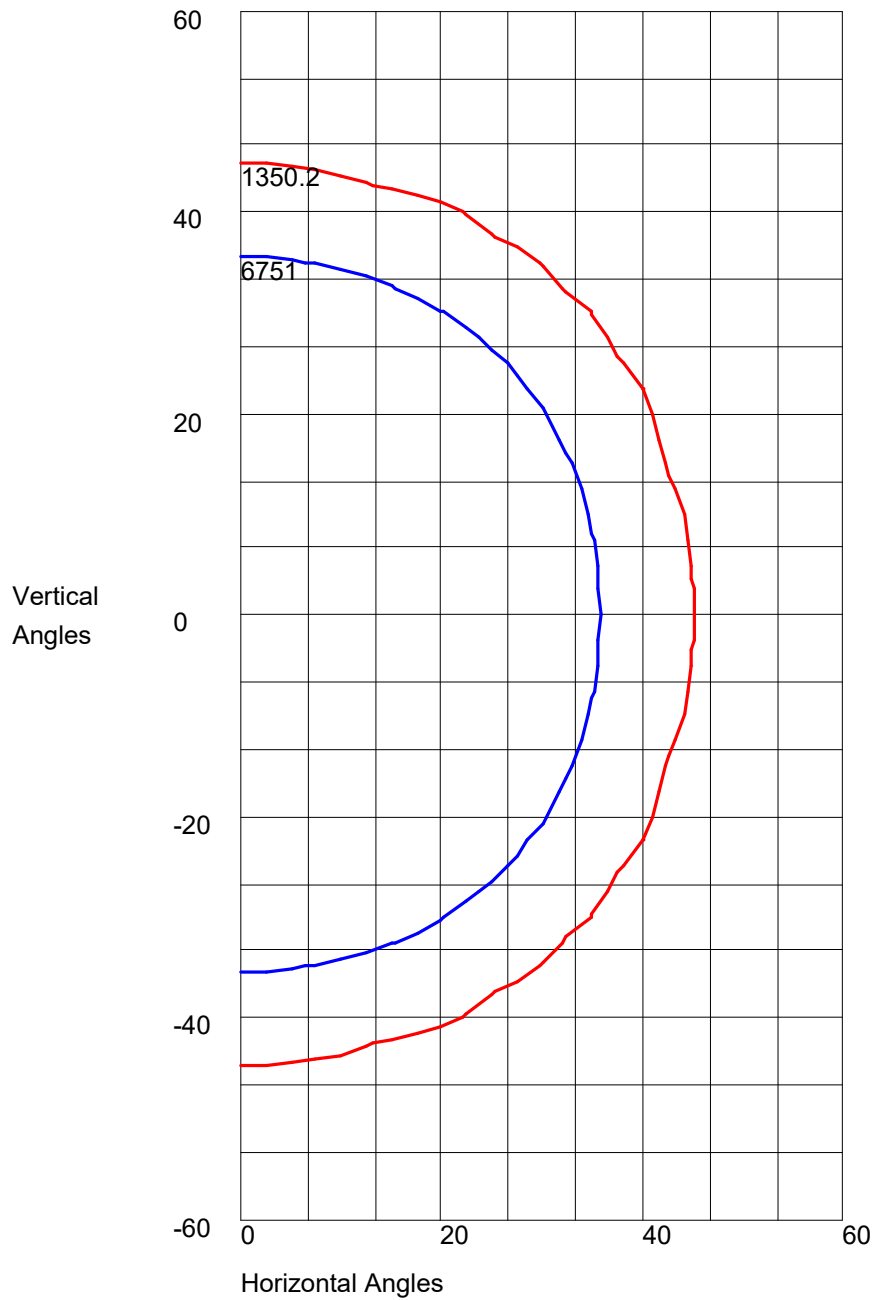
-75	0.10	0.00	14.36
-85	0.01	0.00	1.82
-90			
Total	5.89	0.18	8285.74

AXIAL CANDELA DISPLAY



Maximum Candela = 13502 Located At Horizontal Angle = -3, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 13502 Located At Horizontal Angle = -3, Vertical Angle = 0
50% Maximum Candela = 6751
10% Maximum Candela = 1350.2