



IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-FTL-LED-26L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3039

[TESTLAB] TUV SUD America

[TESTDATE] 1/16/2017 12:17:22 PM

[ISSUE DATE] 11/15/2019

[MANUFAC] LSI INDUSTRIES, INC.

[_SEARCH_SOURCE TYPE] LED

[_SEARCH_APPLICATION] Outdoor

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

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

[LUMCAT] TEL22-FTL-LED-26L-45

CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	28964
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	265.54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12252
Maximum Candela Angle	160H 65V
Maximum Candela (<90 Degrees Vertical)	12252
Maximum Candela Angle (<90 Degrees Vertical)	160H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2590 (8.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2563.8	N.A.	8.9
FM - Front-Medium (30-60)	6770.3	N.A.	23.4
FH - Front-High (60-80)	5046.5	N.A.	17.4
FVH - Front-Very High (80-90)	101.2	N.A.	0.3
BL - Back-Low (0-30)	2563.8	N.A.	8.9
BM - Back-Medium (30-60)	6770.3	N.A.	23.4
BH - Back-High (60-80)	5046.5	N.A.	17.4
BVH - Back-Very High (80-90)	101.2	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	28963.6	N.A.	100.0
BUG Rating	B5-U0-G5		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	6979	6979	6979	6979	6979	6979	6979	6979	6979	6979
5	6854	7041	7166	7292	7409	7511	7610	7670	7714	7739
10	6507	6856	7126	7403	7649	7880	8064	8224	8324	8372
15	6023	6559	7022	7458	7820	8078	8284	8453	8614	8678
20	5439	6167	6821	7412	7868	8168	8314	8439	8638	8714
25	4917	5775	6583	7272	7747	8041	8077	7970	8041	8102
30	4732	5664	6443	7027	7550	7778	7754	7588	7565	7576
35	4931	5905	6676	7182	7468	7746	7826	7788	7826	7835
40	5478	6428	7158	7569	7701	7788	8057	8037	8287	8308
45	6158	7109	7750	7989	7944	7947	7979	8228	8463	8016
50	6710	7585	8138	8370	8310	8089	7869	8013	7912	7636
55	7406	8386	9003	8738	8566	8305	8055	7999	8105	7586
60	7509	9219	10328	10042	9243	8644	8885	8639	8628	8098
65	7080	10032	12252	12177	10971	10124	10364	9921	9297	8657
70	4999	8025	10359	10717	11591	11740	11833	12000	10663	9773
75	987	1781	1989	2404	3421	8721	12110	10064	7701	6855
80	288	385	456	524	575	1173	2590	1284	702	442
85	58	104	100	91	85	86	91	62	53	51
90	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0	6979	6979	6979	6979	6979	6979	6979	6979	6979	6979
5	7714	7670	7610	7511	7409	7292	7166	7041	6854	6699
10	8324	8224	8064	7880	7649	7403	7126	6856	6507	6194
15	8614	8453	8284	8078	7820	7458	7022	6559	6023	5552
20	8638	8439	8314	8168	7868	7412	6821	6167	5439	4885
25	8041	7970	8077	8041	7747	7272	6583	5775	4917	4295
30	7565	7588	7754	7778	7550	7027	6443	5664	4732	4051
35	7826	7788	7826	7746	7468	7182	6676	5905	4931	4181
40	8287	8037	8057	7788	7701	7569	7158	6428	5478	4624
45	8463	8228	7979	7947	7944	7989	7750	7109	6158	5150
50	7912	8013	7869	8089	8310	8370	8138	7585	6710	5758
55	8105	7999	8055	8305	8566	8738	9003	8386	7406	6228

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CANDELA TABULATION - (Cont.)

60	8628	8639	8885	8644	9243	10042	10328	9219	7509	6201
65	9297	9921	10364	10124	10971	12177	12252	10032	7080	5417
70	10663	12000	11833	11740	11591	10717	10359	8025	4999	3117
75	7701	10064	12110	8721	3421	2404	1989	1781	987	855
80	702	1284	2590	1173	575	524	456	385	288	290
85	53	62	91	86	85	91	100	104	58	50
90	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

Vert. Angles Horizontal Angles

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0	6979	6979	6979	6979	6979	6979	6979	6979	6979	6979
5	6574	6457	6377	6301	6250	6216	6198	6189	6198	6216
10	5966	5793	5682	5619	5584	5580	5577	5589	5577	5580
15	5260	5095	5029	5007	5008	5013	5023	5035	5023	5013
20	4587	4487	4485	4497	4502	4492	4472	4471	4472	4492
25	4032	4022	4054	4068	4059	4044	4022	4018	4022	4044
30	3749	3696	3719	3757	3758	3710	3679	3683	3679	3710
35	3721	3532	3493	3491	3516	3592	3690	3738	3690	3592
40	3920	3494	3324	3316	3537	3813	3951	4049	3951	3813
45	4269	3578	3199	3205	3531	3974	4119	4307	4119	3974
50	4539	3612	3086	2988	3367	3742	3780	3770	3780	3742
55	4860	3677	2868	2679	3056	3381	3352	3238	3352	3381
60	4705	3543	2602	2284	2694	2979	2899	2702	2899	2979
65	4194	2925	2154	1973	2168	2416	2341	2229	2341	2416
70	2406	1791	1480	1545	1786	1857	1746	1711	1746	1857
75	867	837	823	1066	1210	1201	1099	1054	1099	1201
80	299	301	298	360	436	452	406	401	406	452
85	47	43	38	34	32	33	32	30	32	33
90	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0

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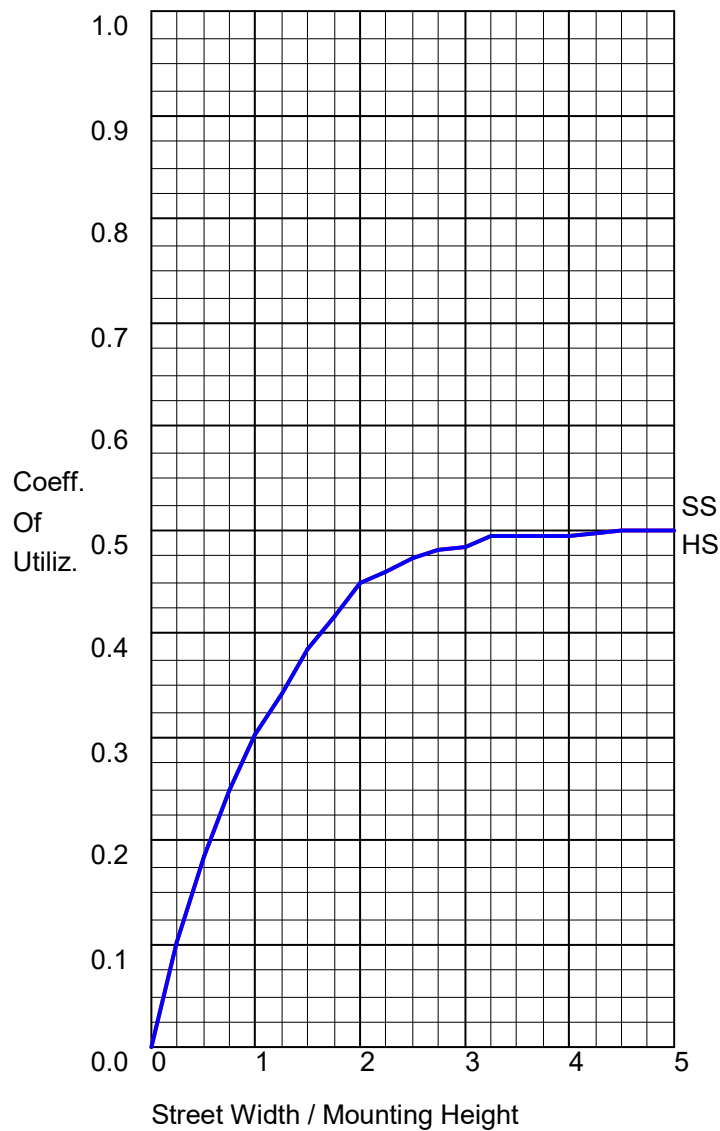
CANDELA TABULATION - (Cont.)

135	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	6979	6979	6979	6979	6979	6979	6979
5	6250	6301	6377	6457	6574	6699	6854
10	5584	5619	5682	5793	5966	6194	6507
15	5008	5007	5029	5095	5260	5552	6023
20	4502	4497	4485	4487	4587	4885	5439
25	4059	4068	4054	4022	4032	4295	4917
30	3758	3757	3719	3696	3749	4051	4732
35	3516	3491	3493	3532	3721	4181	4931
40	3537	3316	3324	3494	3920	4624	5478
45	3531	3205	3199	3578	4269	5150	6158
50	3367	2988	3086	3612	4539	5758	6710
55	3056	2679	2868	3677	4860	6228	7406
60	2694	2284	2602	3543	4705	6201	7509
65	2168	1973	2154	2925	4194	5417	7080
70	1786	1545	1480	1791	2406	3117	4999
75	1210	1066	823	837	867	855	987
80	436	360	298	301	299	290	288
85	32	34	38	43	47	50	58
90	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0

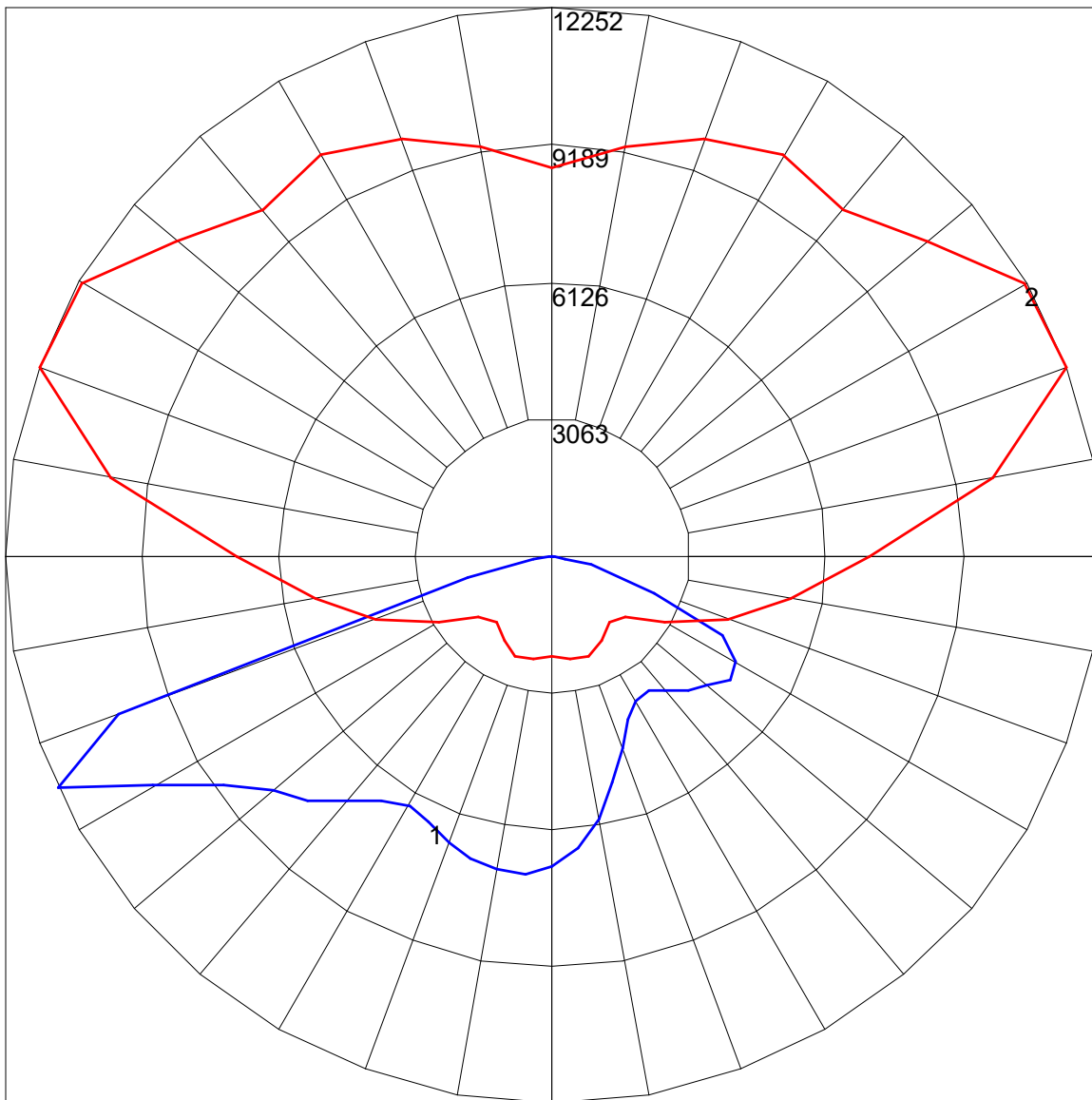
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

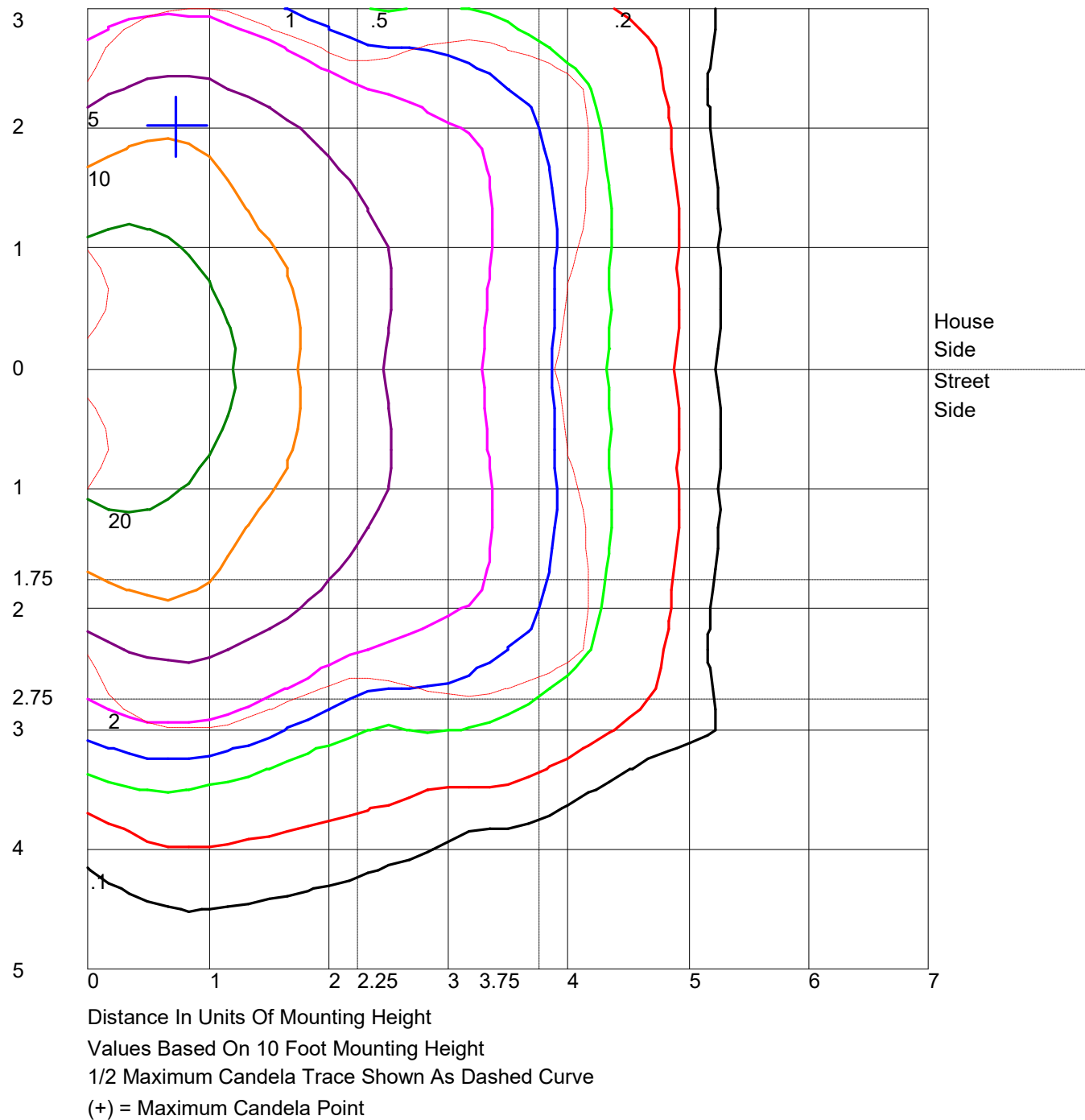
	Lumens	Percent Of Luminaire
Downward Street Side	14481.8	50.0
Downward House Side	14481.8	50.0
Downward Total	28963.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	28963.6	100.0

POLAR GRAPH

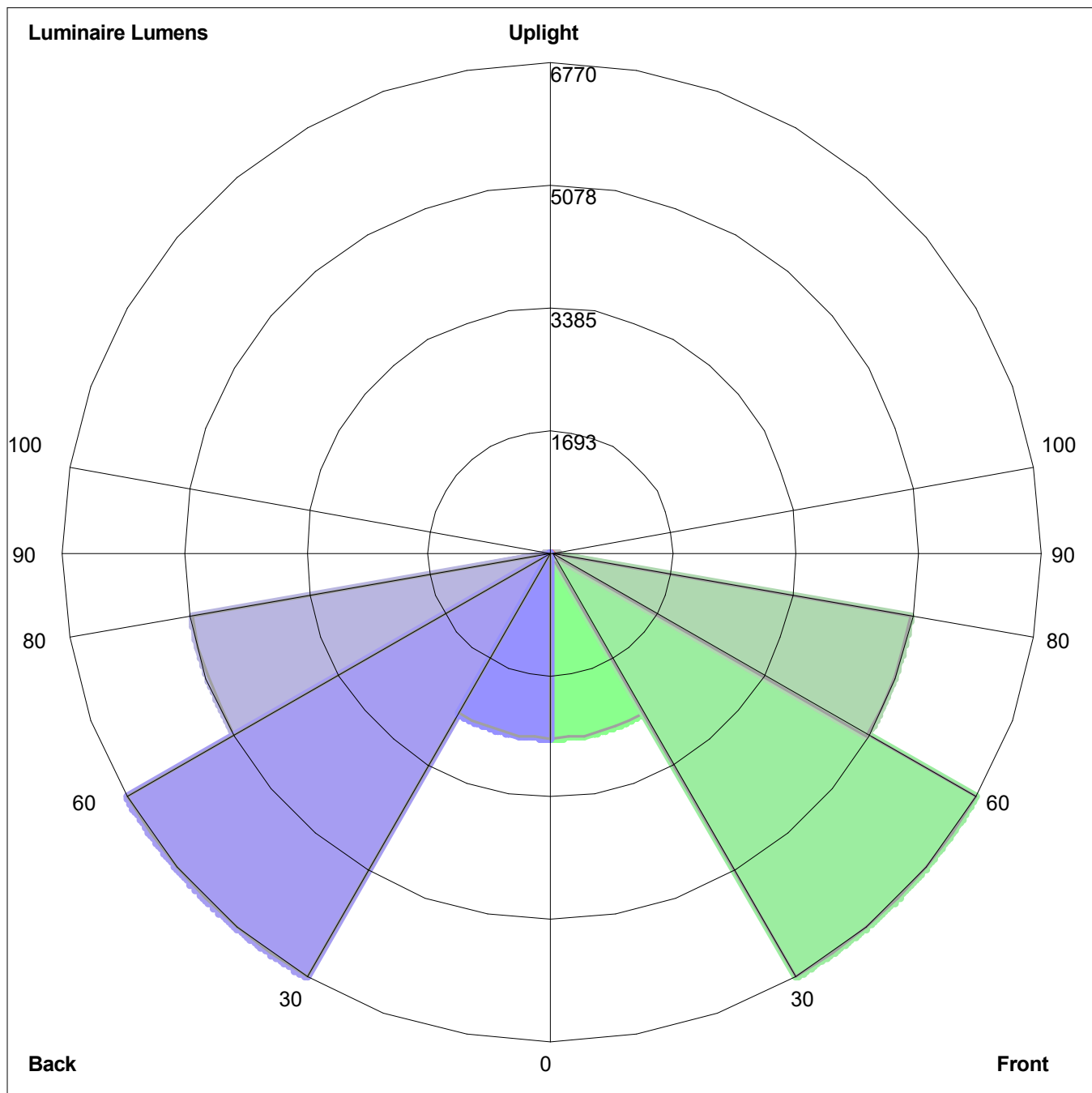


Maximum Candela = 12252 Located At Horizontal Angle = 160, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (160 - 340) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2563.8, Medium=6770.3, High=5046.5, Very High=101.2
Back: Low=2563.8, Medium=6770.3, High=5046.5, Very High=101.2
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G5