



IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-FTR-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-FTR-LED-26L-45

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
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	340H 65V
Maximum Candela (<90 Degrees Vertical)	12252
Maximum Candela Angle (<90 Degrees Vertical)	340H 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)

IES ROAD REPORT**PHOTOMETRIC FILENAME : TEL22-FTR-LED-26L-45.IES****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	6699	6574	6457	6377	6301	6250	6216	6198	6189
10	6507	6194	5966	5793	5682	5619	5584	5580	5577	5589
15	6023	5552	5260	5095	5029	5007	5008	5013	5023	5035
20	5439	4885	4587	4487	4485	4497	4502	4492	4472	4471
25	4917	4295	4032	4022	4054	4068	4059	4044	4022	4018
30	4732	4051	3749	3696	3719	3757	3758	3710	3679	3683
35	4931	4181	3721	3532	3493	3491	3516	3592	3690	3738
40	5478	4624	3920	3494	3324	3316	3537	3813	3951	4049
45	6158	5150	4269	3578	3199	3205	3531	3974	4119	4307
50	6710	5758	4539	3612	3086	2988	3367	3742	3780	3770
55	7406	6228	4860	3677	2868	2679	3056	3381	3352	3238
60	7509	6201	4705	3543	2602	2284	2694	2979	2899	2702
65	7080	5417	4194	2925	2154	1973	2168	2416	2341	2229
70	4999	3117	2406	1791	1480	1545	1786	1857	1746	1711
75	987	855	867	837	823	1066	1210	1201	1099	1054
80	288	290	299	301	298	360	436	452	406	401
85	58	50	47	43	38	34	32	33	32	30
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	6198	6216	6250	6301	6377	6457	6574	6699	6854	7041
10	5577	5580	5584	5619	5682	5793	5966	6194	6507	6856
15	5023	5013	5008	5007	5029	5095	5260	5552	6023	6559
20	4472	4492	4502	4497	4485	4487	4587	4885	5439	6167
25	4022	4044	4059	4068	4054	4022	4032	4295	4917	5775
30	3679	3710	3758	3757	3719	3696	3749	4051	4732	5664
35	3690	3592	3516	3491	3493	3532	3721	4181	4931	5905
40	3951	3813	3537	3316	3324	3494	3920	4624	5478	6428
45	4119	3974	3531	3205	3199	3578	4269	5150	6158	7109
50	3780	3742	3367	2988	3086	3612	4539	5758	6710	7585
55	3352	3381	3056	2679	2868	3677	4860	6228	7406	8386

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CANDELA TABULATION - (Cont.)

60	2899	2979	2694	2284	2602	3543	4705	6201	7509	9219
65	2341	2416	2168	1973	2154	2925	4194	5417	7080	10032
70	1746	1857	1786	1545	1480	1791	2406	3117	4999	8025
75	1099	1201	1210	1066	823	837	867	855	987	1781
80	406	452	436	360	298	301	299	290	288	385
85	32	33	32	34	38	43	47	50	58	104
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	7166	7292	7409	7511	7610	7670	7714	7739	7714	7670
10	7126	7403	7649	7880	8064	8224	8324	8372	8324	8224
15	7022	7458	7820	8078	8284	8453	8614	8678	8614	8453
20	6821	7412	7868	8168	8314	8439	8638	8714	8638	8439
25	6583	7272	7747	8041	8077	7970	8041	8102	8041	7970
30	6443	7027	7550	7778	7754	7588	7565	7576	7565	7588
35	6676	7182	7468	7746	7826	7788	7826	7835	7826	7788
40	7158	7569	7701	7788	8057	8037	8287	8308	8287	8037
45	7750	7989	7944	7947	7979	8228	8463	8016	8463	8228
50	8138	8370	8310	8089	7869	8013	7912	7636	7912	8013
55	9003	8738	8566	8305	8055	7999	8105	7586	8105	7999
60	10328	10042	9243	8644	8885	8639	8628	8098	8628	8639
65	12252	12177	10971	10124	10364	9921	9297	8657	9297	9921
70	10359	10717	11591	11740	11833	12000	10663	9773	10663	12000
75	1989	2404	3421	8721	12110	10064	7701	6855	7701	10064
80	456	524	575	1173	2590	1284	702	442	702	1284
85	100	91	85	86	91	62	53	51	53	62
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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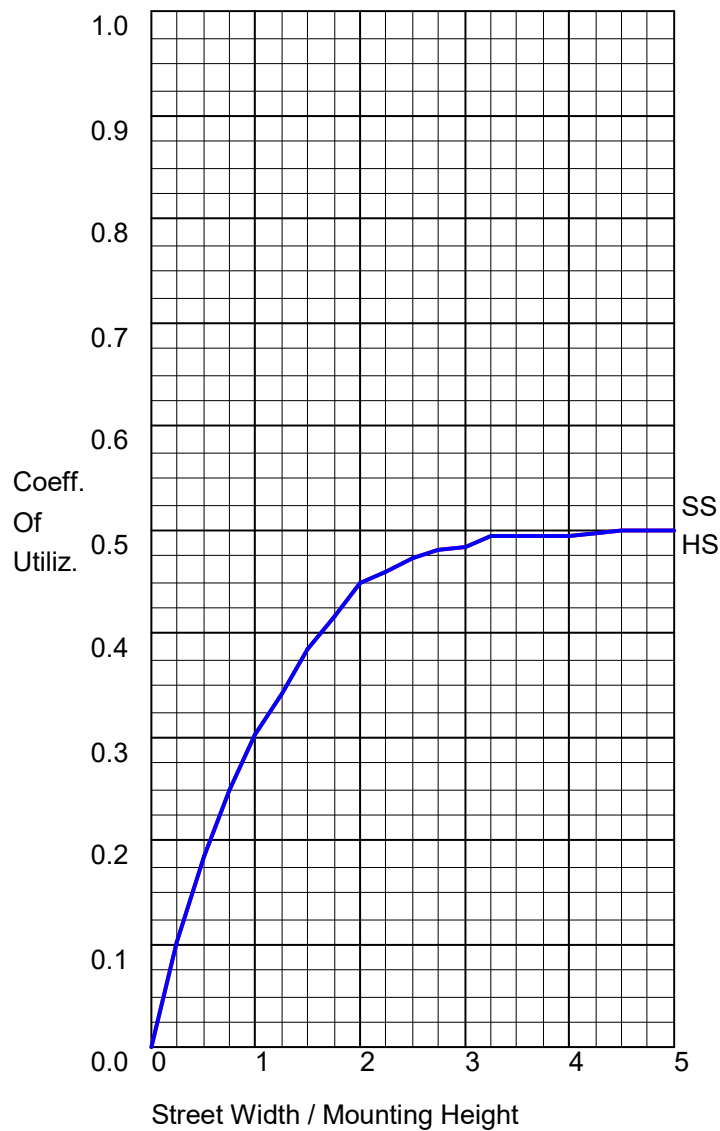
CANDELA TABULATION - (Cont.)

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	7610	7511	7409	7292	7166	7041	6854
10	8064	7880	7649	7403	7126	6856	6507
15	8284	8078	7820	7458	7022	6559	6023
20	8314	8168	7868	7412	6821	6167	5439
25	8077	8041	7747	7272	6583	5775	4917
30	7754	7778	7550	7027	6443	5664	4732
35	7826	7746	7468	7182	6676	5905	4931
40	8057	7788	7701	7569	7158	6428	5478
45	7979	7947	7944	7989	7750	7109	6158
50	7869	8089	8310	8370	8138	7585	6710
55	8055	8305	8566	8738	9003	8386	7406
60	8885	8644	9243	10042	10328	9219	7509
65	10364	10124	10971	12177	12252	10032	7080
70	11833	11740	11591	10717	10359	8025	4999
75	12110	8721	3421	2404	1989	1781	987
80	2590	1173	575	524	456	385	288
85	91	86	85	91	100	104	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

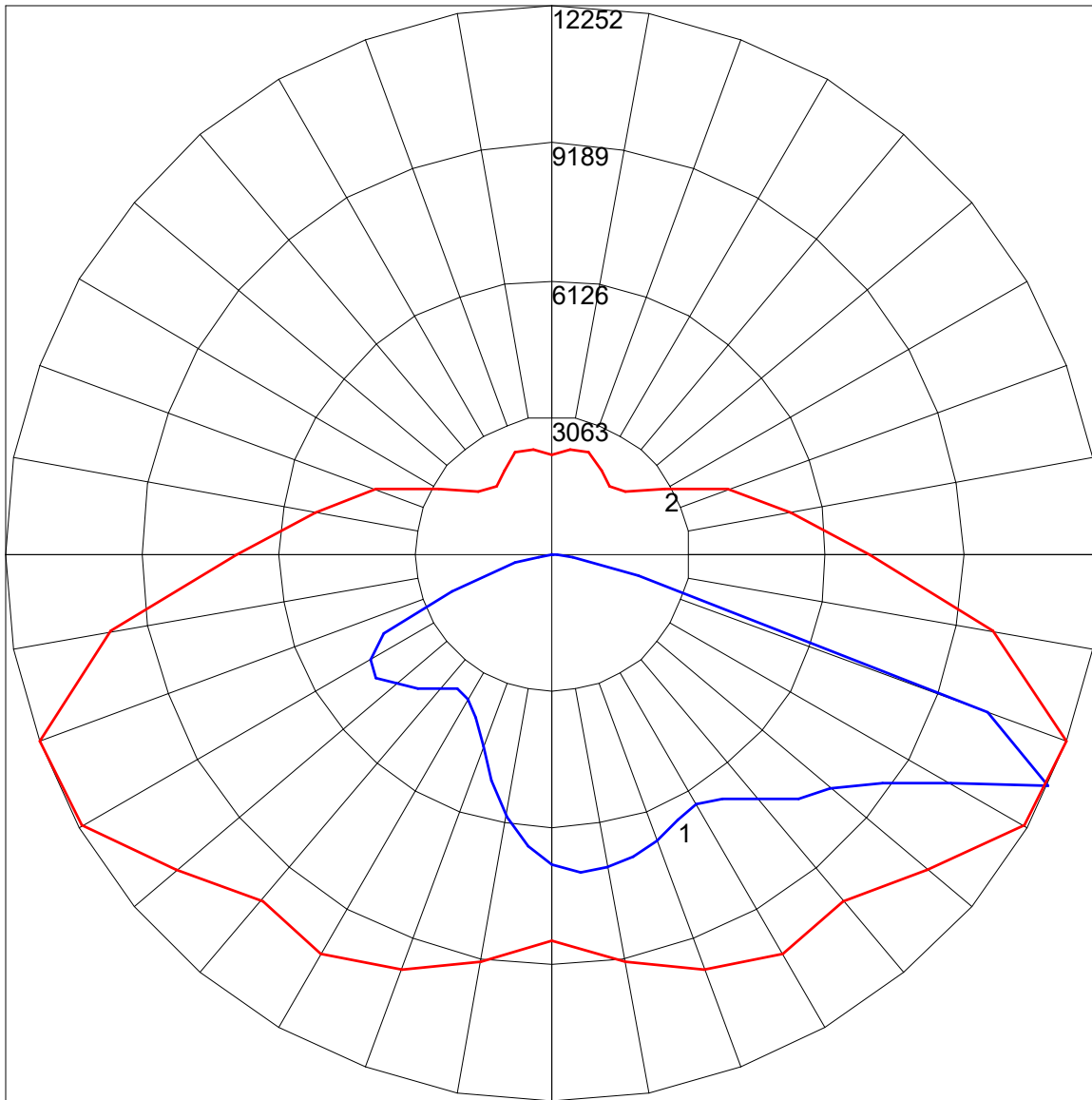
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

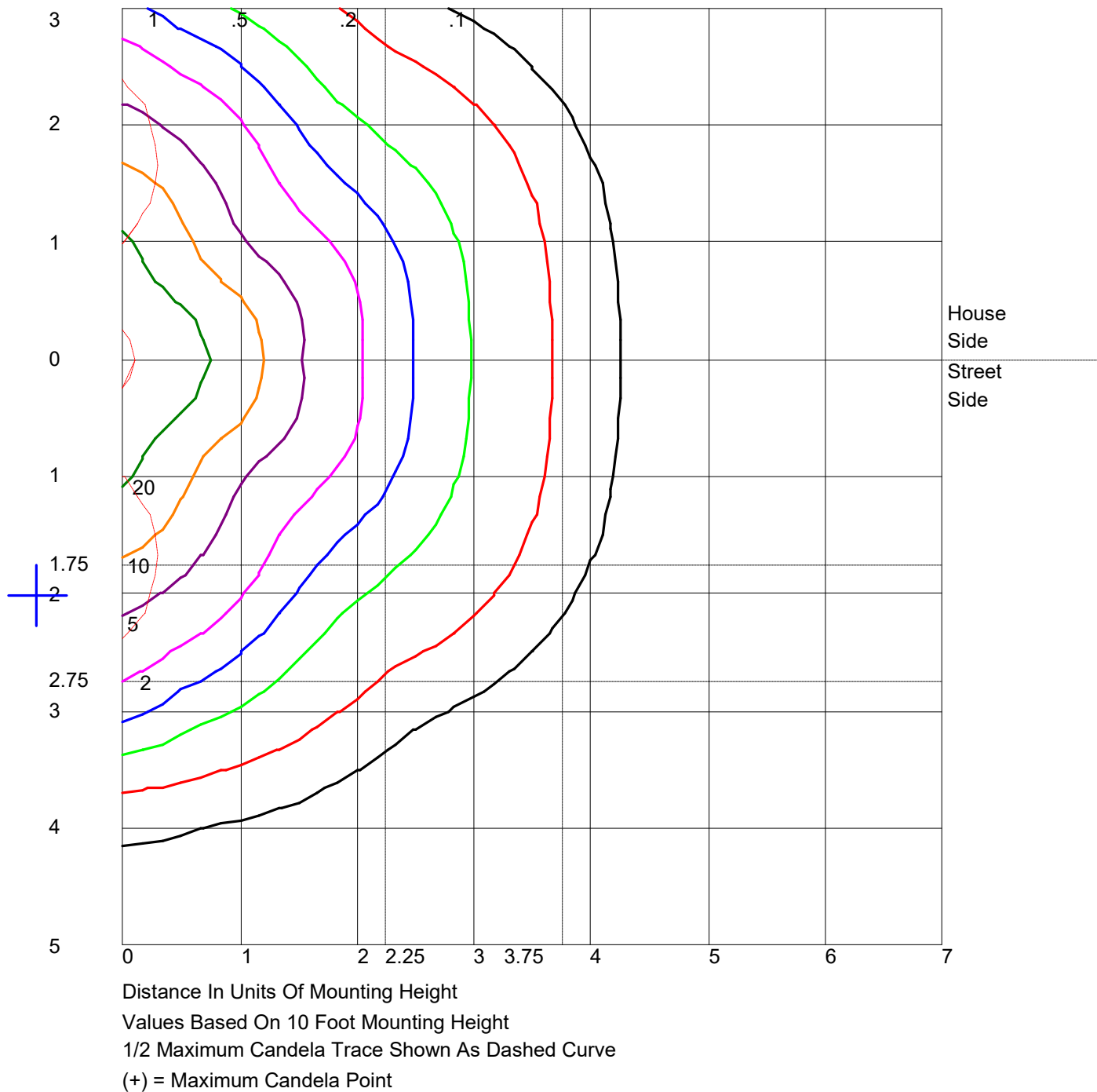
	Lumens	Percent Of Luminaire
Downward Street Side	14481.8	50.0
Downward House Side	14481.8	50.0
Downward Total	28963.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	28963.6	100.0

POLAR GRAPH

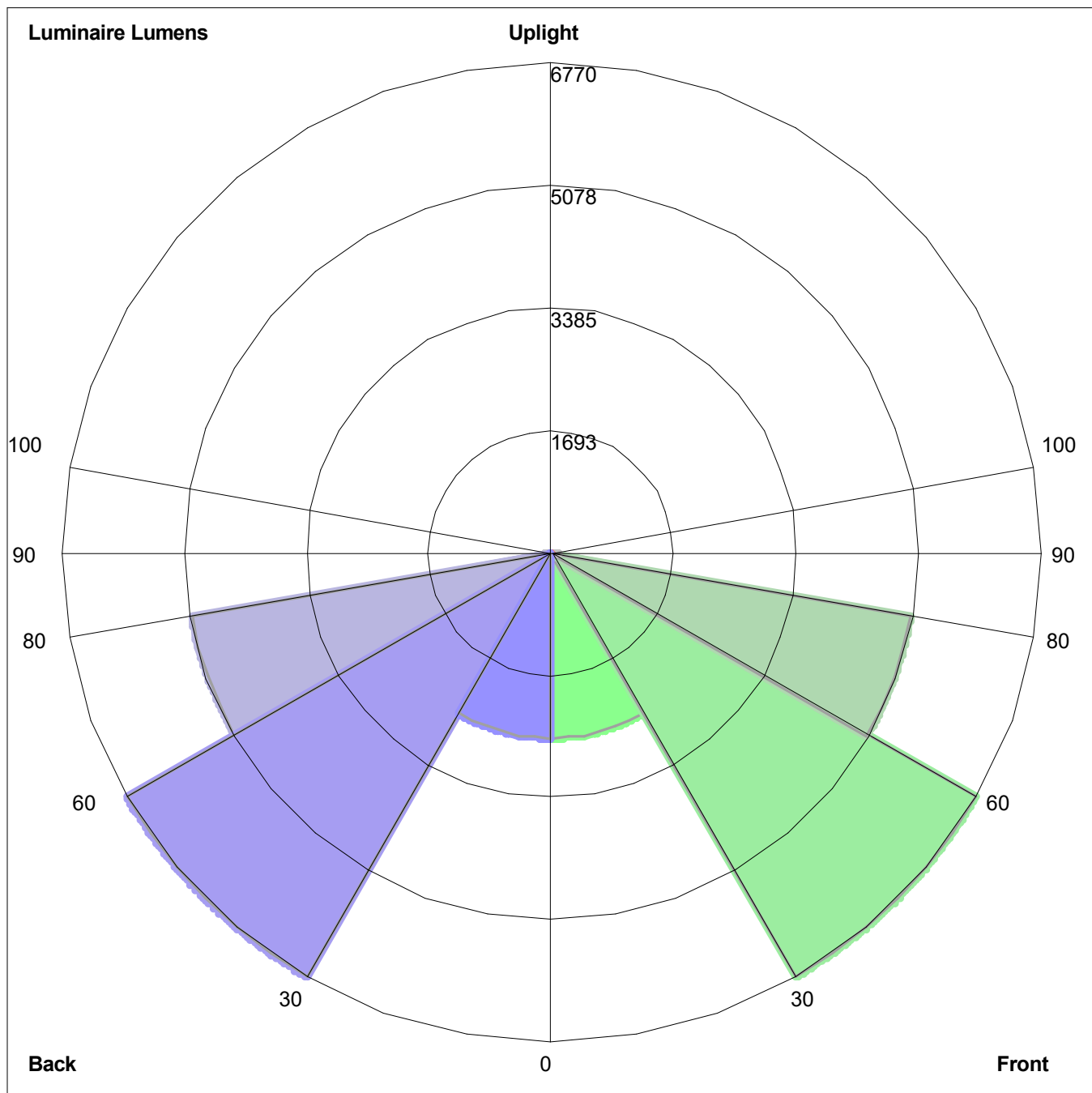


Maximum Candela = 12252 Located At Horizontal Angle = 340, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (340 - 160) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

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