



IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-3L-LED-26L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3033

[TESTLAB] TUV SUD America

[TESTDATE] 1/13/2017 9:42:54 AM

[ISSUEDATE] 11/15/2019

[MANUFAC] LSI INDUSTRIES, INC.

[_SEARCH_SOURCE] LED

[_SEARCH_APPLICATION] Outdoor

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

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

[LUMCAT] TEL22-3L-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	30261
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	265.62
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	25846
Maximum Candela Angle	130H 70V
Maximum Candela (<90 Degrees Vertical)	25846
Maximum Candela Angle (<90 Degrees Vertical)	130H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	779 (2.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2826.8	N.A.	9.3
FM - Front-Medium (30-60)	7769.5	N.A.	25.7
FH - Front-High (60-80)	4483.6	N.A.	14.8
FVH - Front-Very High (80-90)	50.7	N.A.	0.2
BL - Back-Low (0-30)	2826.8	N.A.	9.3
BM - Back-Medium (30-60)	7769.5	N.A.	25.7
BH - Back-High (60-80)	4483.6	N.A.	14.8
BVH - Back-Very High (80-90)	50.7	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	30261.2	N.A.	100.0
BUG Rating	B4-U0-G4		

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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	6930	6930	6930	6930	6930	6930	6930	6930	6930	6930
5	6923	6969	6986	7004	7013	7027	7048	7048	7059	7067
10	7025	7048	7076	7086	7089	7095	7102	7115	7129	7143
15	7178	7236	7265	7266	7284	7297	7304	7319	7334	7355
20	7391	7461	7495	7526	7577	7614	7610	7582	7566	7566
25	7584	7713	7792	7827	7855	7926	7937	7888	7859	7861
30	7970	8052	8000	7913	8122	8205	8236	8191	8114	8156
35	8644	8705	8530	8278	8129	8365	8452	8445	8403	8571
40	9371	9390	9047	8686	8340	8188	8577	8687	8724	8928
45	9784	9959	9546	9007	8529	8271	8356	8793	9010	9245
50	9104	9856	9703	9392	8790	8282	8472	9364	10009	10398
55	7942	9382	10113	9840	9277	8880	9356	10854	12358	12679
60	5734	7417	9177	11027	11553	10617	12032	14379	16831	16896
65	3083	4232	5415	9821	17742	16935	18602	21804	21762	19416
70	1077	1296	1216	2143	14074	25846	19783	7811	2983	2214
75	462	500	545	684	1964	9606	2982	1170	975	730
80	186	232	262	283	358	779	414	304	307	238
85	44	74	70	67	65	62	53	44	40	39
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	6930	6930	6930	6930	6930	6930	6930	6930	6930	6930
5	7059	7048	7048	7027	7013	7004	6986	6969	6923	6903
10	7129	7115	7102	7095	7089	7086	7076	7048	7025	6959
15	7334	7319	7304	7297	7284	7266	7265	7236	7178	7042
20	7566	7582	7610	7614	7577	7526	7495	7461	7391	7178
25	7859	7888	7937	7926	7855	7827	7792	7713	7584	7171
30	8114	8191	8236	8205	8122	7913	8000	8052	7970	7484
35	8403	8445	8452	8365	8129	8278	8530	8705	8644	7941
40	8724	8687	8577	8188	8340	8686	9047	9390	9371	8318
45	9010	8793	8356	8271	8529	9007	9545	9959	9784	8180
50	10009	9364	8472	8282	8790	9392	9703	9856	9104	7264
55	12358	10854	9356	8880	9277	9840	10113	9382	7942	5889

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CANDELA TABULATION - (Cont.)

60	16831	14379	12032	10617	11553	11027	9177	7417	5734	4311
65	21762	21804	18602	16935	17742	9821	5415	4232	3083	2535
70	2983	7811	19783	25846	14074	2143	1216	1296	1077	1017
75	975	1170	2982	9606	1964	684	545	500	462	473
80	307	304	414	779	358	283	262	232	186	182
85	40	44	53	62	65	67	70	74	44	39
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	6930	6930	6930	6930	6930	6930	6930	6930	6930	6930
5	6850	6796	6750	6703	6660	6629	6604	6604	6604	6629
10	6832	6684	6544	6408	6295	6220	6179	6171	6179	6220
15	6807	6530	6276	6037	5866	5761	5702	5693	5702	5761
20	6771	6344	5936	5565	5241	5016	4914	4880	4914	5016
25	6627	6068	5421	4878	4509	4302	4248	4248	4248	4302
30	6545	5489	4641	4233	4016	3891	3864	3887	3864	3891
35	6514	4959	4046	3750	3686	3604	3654	3742	3654	3604
40	6335	4457	3714	3430	3398	3363	3668	3743	3668	3363
45	5753	4147	3583	3306	3114	3000	2943	2956	2943	3000
50	4953	3764	3734	2951	2707	2593	2553	2610	2553	2593
55	4319	3400	2980	2604	2392	2145	2129	2203	2129	2145
60	3502	2750	2227	2053	1915	1634	1686	2377	1686	1634
65	2186	1633	1391	1339	1340	1458	1464	2029	1464	1458
70	1032	915	896	872	974	1340	1383	2077	1383	1340
75	509	514	499	549	635	768	732	1020	732	768
80	193	197	200	213	224	300	250	278	250	300
85	37	34	30	26	24	24	23	22	23	24
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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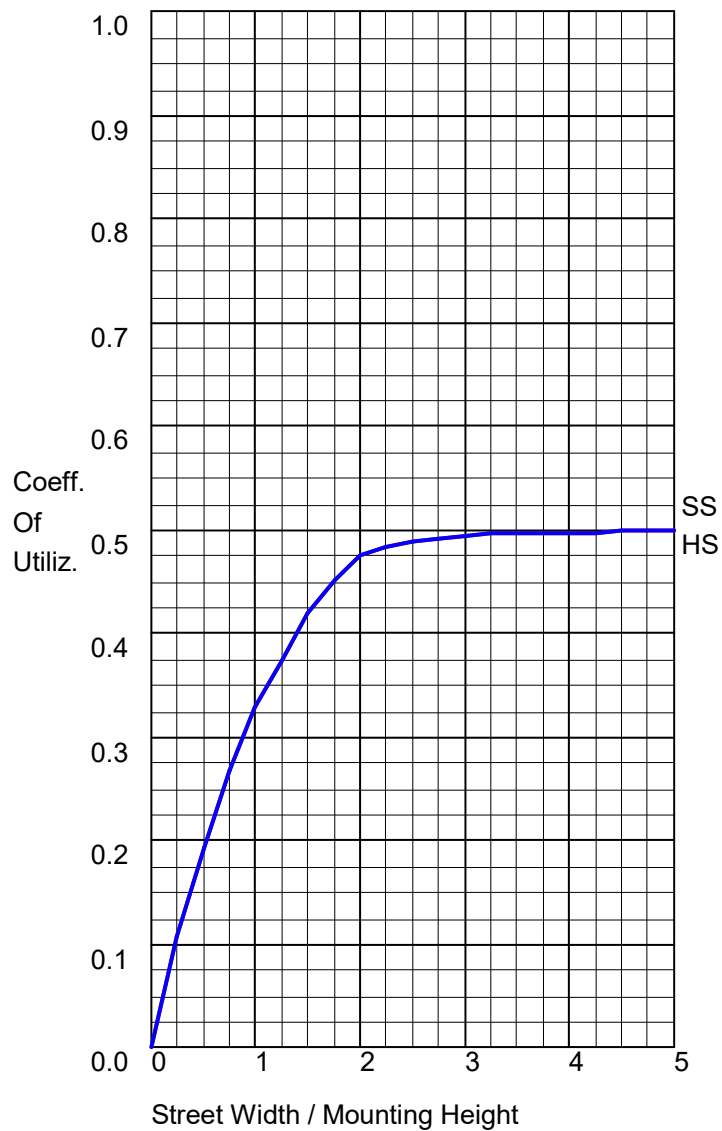
CANDELA TABULATION - (Cont.)

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	6930	6930	6930	6930	6930	6930	6930
5	6660	6703	6750	6796	6850	6903	6923
10	6295	6408	6544	6684	6832	6959	7025
15	5866	6037	6276	6530	6807	7042	7178
20	5241	5565	5936	6344	6771	7178	7391
25	4509	4878	5421	6068	6627	7171	7584
30	4016	4233	4641	5489	6545	7484	7970
35	3686	3750	4046	4959	6514	7941	8644
40	3398	3430	3714	4457	6335	8318	9371
45	3114	3306	3583	4147	5753	8180	9784
50	2707	2951	3734	3764	4953	7264	9104
55	2392	2604	2980	3400	4319	5889	7942
60	1915	2053	2227	2750	3502	4311	5734
65	1340	1339	1391	1633	2186	2535	3083
70	974	872	896	915	1032	1017	1077
75	635	549	499	514	509	473	462
80	224	213	200	197	193	182	186
85	24	26	30	34	37	39	44
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

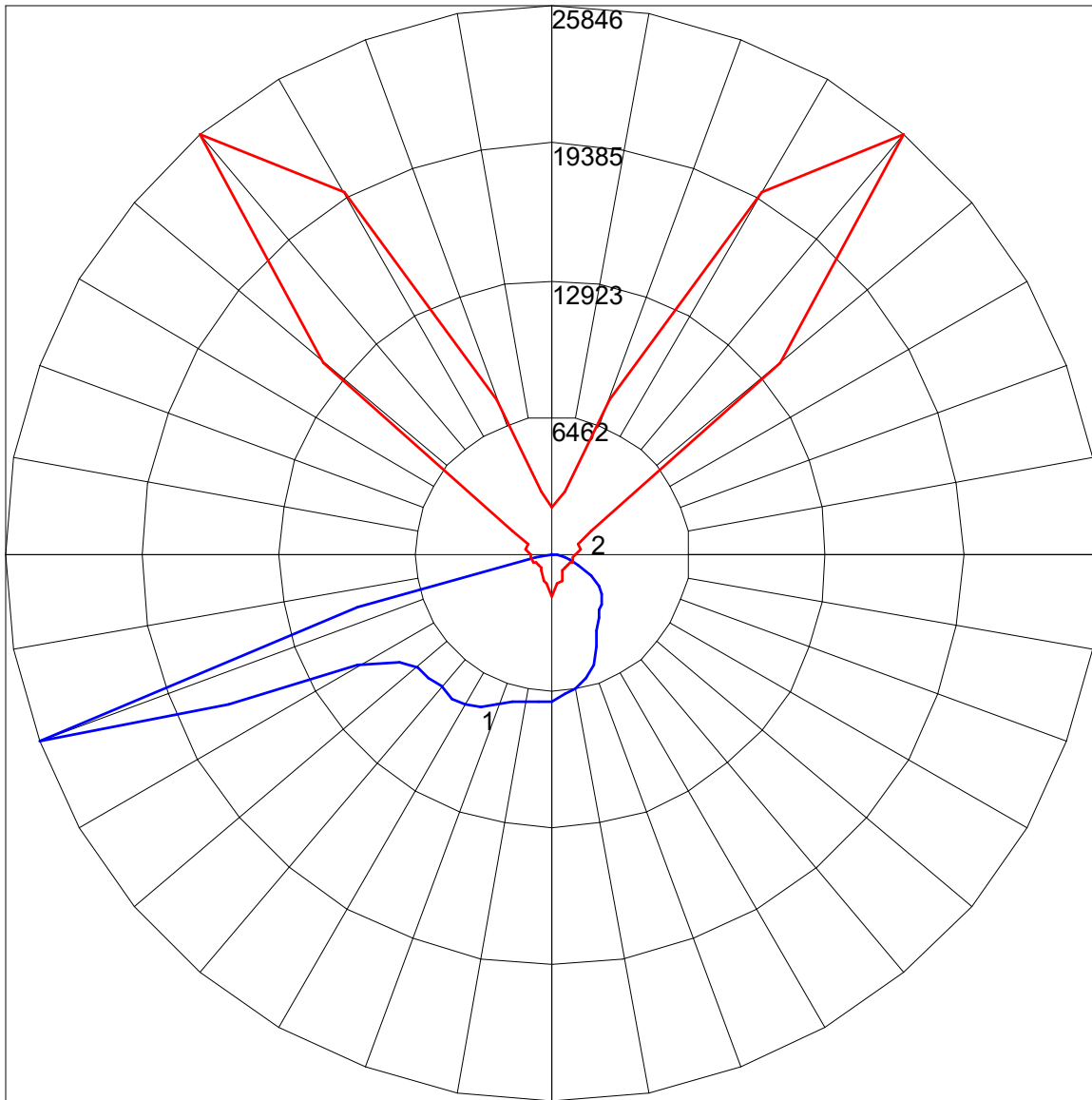
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

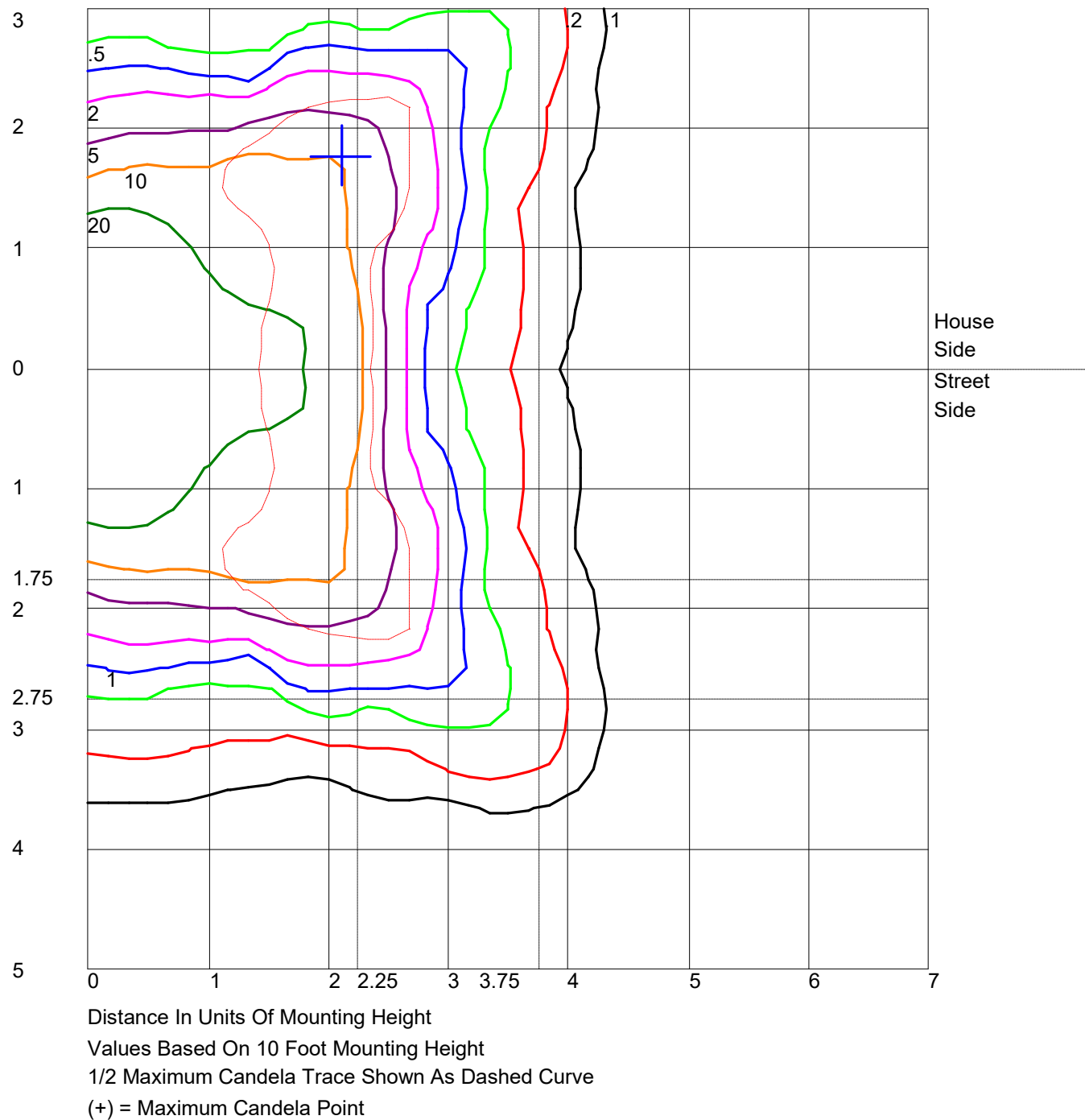
	Lumens	Percent Of Luminaire
Downward Street Side	15130.6	50.0
Downward House Side	15130.6	50.0
Downward Total	30261.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	30261.2	100.0

POLAR GRAPH

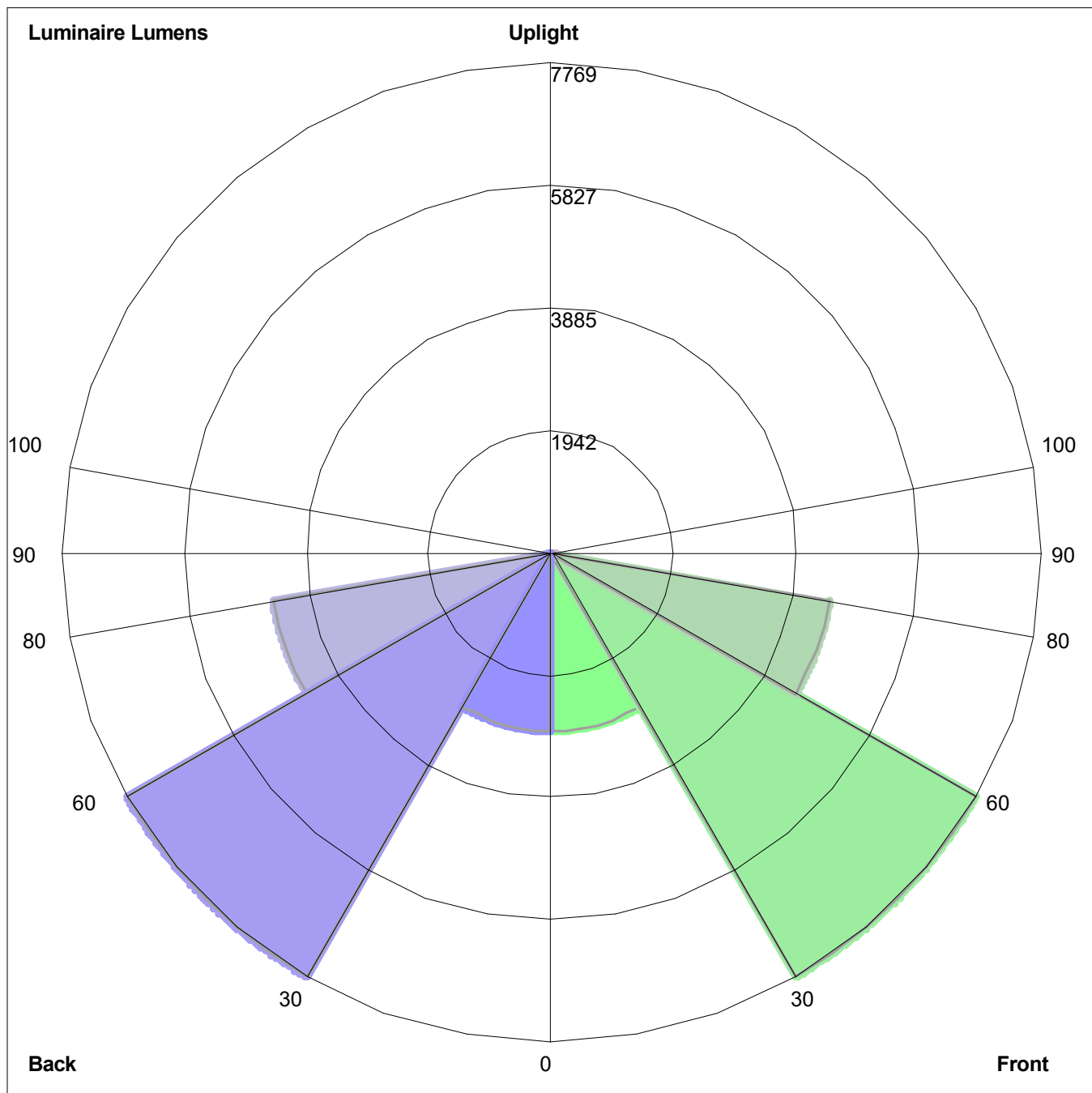


Maximum Candela = 25846 Located At Horizontal Angle = 130, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (130 - 310) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2826.8, Medium=7769.5, High=4483.6, Very High=50.7
Back: Low=2826.8, Medium=7769.5, High=4483.6, Very High=50.7
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G4