



## IES ROAD REPORT

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

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3032

[TESTLAB] TUV SUD America

[TESTDATE] 1/12/2017 3:40:39 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-SCL-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	29766
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	265.52
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	16655
Maximum Candela Angle	130H 65V
Maximum Candela (<90 Degrees Vertical)	16655
Maximum Candela Angle (<90 Degrees Vertical)	130H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2390 (8.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : TEL22-SCL-LED-26L-45.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1940.4	N.A.	6.5
FM - Front-Medium (30-60)	8037.2	N.A.	27.0
FH - Front-High (60-80)	4768.2	N.A.	16.0
FVH - Front-Very High (80-90)	136.9	N.A.	0.5
BL - Back-Low (0-30)	1940.4	N.A.	6.5
BM - Back-Medium (30-60)	8037.2	N.A.	27.0
BH - Back-High (60-80)	4768.2	N.A.	16.0
BVH - Back-Very High (80-90)	136.9	N.A.	0.5
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	29765.4	N.A.	100.0
BUG Rating	B4-U0-G4		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>	<b>90</b>
<b>0</b>	3673	3673	3673	3673	3673	3673	3673	3673	3673	3673
<b>5</b>	3741	3902	4037	4178	4298	4400	4485	4550	4582	4605
<b>10</b>	3878	4187	4491	4758	4983	5197	5383	5531	5618	5652
<b>15</b>	4069	4551	4981	5406	5790	6082	6309	6468	6589	6642
<b>20</b>	4262	4853	5436	6023	6469	6808	7070	7263	7403	7460
<b>25</b>	4489	5165	5932	6566	7025	7390	7677	7885	8025	8092
<b>30</b>	4853	5685	6559	7151	7618	7857	8143	8385	8517	8614
<b>35</b>	5816	6871	7848	8334	8424	8421	8528	8799	9018	9165
<b>40</b>	7053	8431	9503	9966	9767	9226	9130	9413	9794	9967
<b>45</b>	7329	9163	10501	11411	11497	10671	9948	10292	10819	11061
<b>50</b>	6770	8882	10666	12385	13150	12394	11247	11569	12335	12508
<b>55</b>	6100	8591	11233	13684	14496	14108	12889	13114	14344	14392
<b>60</b>	5255	8259	11765	15120	15855	15808	14823	14315	15016	14823
<b>65</b>	3966	7294	11212	14944	16263	16655	14012	11940	11121	10463
<b>70</b>	2518	5245	8673	11647	12771	11000	7308	6121	4840	4004
<b>75</b>	1127	2839	5410	6862	7194	5586	3920	3006	1501	1323
<b>80</b>	365	889	1988	2390	2198	1732	1410	1066	468	340
<b>85</b>	66	155	240	242	216	132	102	69	50	48
<b>90</b>	0	0	0	0	0	0	0	0	0	0
<b>95</b>	0	0	0	0	0	0	0	0	0	0
<b>100</b>	0	0	0	0	0	0	0	0	0	0
<b>105</b>	0	0	0	0	0	0	0	0	0	0
<b>110</b>	0	0	0	0	0	0	0	0	0	0
<b>115</b>	0	0	0	0	0	0	0	0	0	0
<b>120</b>	0	0	0	0	0	0	0	0	0	0
<b>125</b>	0	0	0	0	0	0	0	0	0	0
<b>130</b>	0	0	0	0	0	0	0	0	0	0
<b>135</b>	0	0	0	0	0	0	0	0	0	0
<b>140</b>	0	0	0	0	0	0	0	0	0	0
<b>145</b>	0	0	0	0	0	0	0	0	0	0
<b>150</b>	0	0	0	0	0	0	0	0	0	0
<b>155</b>	0	0	0	0	0	0	0	0	0	0
<b>160</b>	0	0	0	0	0	0	0	0	0	0
<b>165</b>	0	0	0	0	0	0	0	0	0	0
<b>170</b>	0	0	0	0	0	0	0	0	0	0
<b>175</b>	0	0	0	0	0	0	0	0	0	0
<b>180</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>
<b>0</b>	3673	3673	3673	3673	3673	3673	3673	3673	3673	3673
<b>5</b>	4582	4550	4485	4400	4298	4178	4037	3902	3741	3617
<b>10</b>	5618	5531	5383	5197	4983	4758	4491	4187	3878	3612
<b>15</b>	6589	6468	6309	6082	5790	5406	4981	4551	4069	3686
<b>20</b>	7403	7263	7070	6808	6469	6023	5436	4853	4262	3787
<b>25</b>	8025	7885	7677	7390	7025	6566	5932	5165	4489	3886
<b>30</b>	8517	8385	8143	7857	7618	7151	6559	5685	4853	4098
<b>35</b>	9018	8799	8528	8421	8424	8334	7848	6871	5816	4592
<b>40</b>	9794	9413	9130	9226	9767	9966	9503	8431	7053	5178
<b>45</b>	10819	10292	9948	10671	11497	11411	10501	9163	7329	5078
<b>50</b>	12335	11569	11247	12394	13150	12385	10666	8882	6770	4607
<b>55</b>	14344	13114	12889	14108	14496	13684	11233	8591	6100	4097

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**CANDELA TABULATION - (Cont.)**

<b>60</b>	15016	14315	14823	15808	15855	15120	11765	8259	5255	3557
<b>65</b>	11121	11940	14012	16655	16263	14944	11212	7294	3966	2739
<b>70</b>	4840	6121	7308	11000	12771	11647	8673	5245	2518	1550
<b>75</b>	1501	3006	3920	5586	7194	6862	5410	2839	1127	778
<b>80</b>	468	1066	1410	1732	2198	2390	1988	889	365	305
<b>85</b>	50	69	102	132	216	242	240	155	66	56
<b>90</b>	0	0	0	0	0	0	0	0	0	0
<b>95</b>	0	0	0	0	0	0	0	0	0	0
<b>100</b>	0	0	0	0	0	0	0	0	0	0
<b>105</b>	0	0	0	0	0	0	0	0	0	0
<b>110</b>	0	0	0	0	0	0	0	0	0	0
<b>115</b>	0	0	0	0	0	0	0	0	0	0
<b>120</b>	0	0	0	0	0	0	0	0	0	0
<b>125</b>	0	0	0	0	0	0	0	0	0	0
<b>130</b>	0	0	0	0	0	0	0	0	0	0
<b>135</b>	0	0	0	0	0	0	0	0	0	0
<b>140</b>	0	0	0	0	0	0	0	0	0	0
<b>145</b>	0	0	0	0	0	0	0	0	0	0
<b>150</b>	0	0	0	0	0	0	0	0	0	0
<b>155</b>	0	0	0	0	0	0	0	0	0	0
<b>160</b>	0	0	0	0	0	0	0	0	0	0
<b>165</b>	0	0	0	0	0	0	0	0	0	0
<b>170</b>	0	0	0	0	0	0	0	0	0	0
<b>175</b>	0	0	0	0	0	0	0	0	0	0
<b>180</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>200</u></b>	<b><u>210</u></b>	<b><u>220</u></b>	<b><u>230</u></b>	<b><u>240</u></b>	<b><u>250</u></b>	<b><u>260</u></b>	<b><u>270</u></b>	<b><u>280</u></b>	<b><u>290</u></b>
<b>0</b>	3673	3673	3673	3673	3673	3673	3673	3673	3673	3673
<b>5</b>	3454	3308	3189	3089	3014	2960	2933	2925	2933	2960
<b>10</b>	3333	3107	2930	2758	2622	2553	2516	2506	2516	2553
<b>15</b>	3339	3041	2791	2658	2550	2472	2429	2416	2429	2472
<b>20</b>	3355	2998	2828	2686	2556	2445	2380	2362	2380	2445
<b>25</b>	3336	3061	2866	2700	2566	2438	2346	2319	2346	2438
<b>30</b>	3396	3090	2907	2750	2605	2470	2340	2296	2340	2470
<b>35</b>	3561	3173	3092	2936	2763	2574	2397	2331	2397	2574
<b>40</b>	3704	3465	3513	3183	2866	2646	2481	2419	2481	2646
<b>45</b>	3660	3824	3734	3244	2839	2644	2524	2479	2524	2644
<b>50</b>	3591	3725	3525	3136	2822	2659	2563	2508	2563	2659
<b>55</b>	3451	3460	3191	2978	2751	2592	2576	2512	2576	2592
<b>60</b>	3086	2979	2772	2673	2534	2412	2331	2272	2331	2412
<b>65</b>	2472	2291	2191	2175	1981	1931	1849	1775	1849	1931
<b>70</b>	1572	1488	1410	1373	1315	1360	1264	1231	1264	1360
<b>75</b>	850	829	756	714	738	753	668	605	668	753
<b>80</b>	319	302	270	255	256	261	213	202	213	261
<b>85</b>	53	45	37	28	23	19	18	18	18	19
<b>90</b>	0	0	0	0	0	0	0	0	0	0
<b>95</b>	0	0	0	0	0	0	0	0	0	0
<b>100</b>	0	0	0	0	0	0	0	0	0	0
<b>105</b>	0	0	0	0	0	0	0	0	0	0
<b>110</b>	0	0	0	0	0	0	0	0	0	0
<b>115</b>	0	0	0	0	0	0	0	0	0	0
<b>120</b>	0	0	0	0	0	0	0	0	0	0
<b>125</b>	0	0	0	0	0	0	0	0	0	0
<b>130</b>	0	0	0	0	0	0	0	0	0	0

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : TEL22-SCL-LED-26L-45.IES**

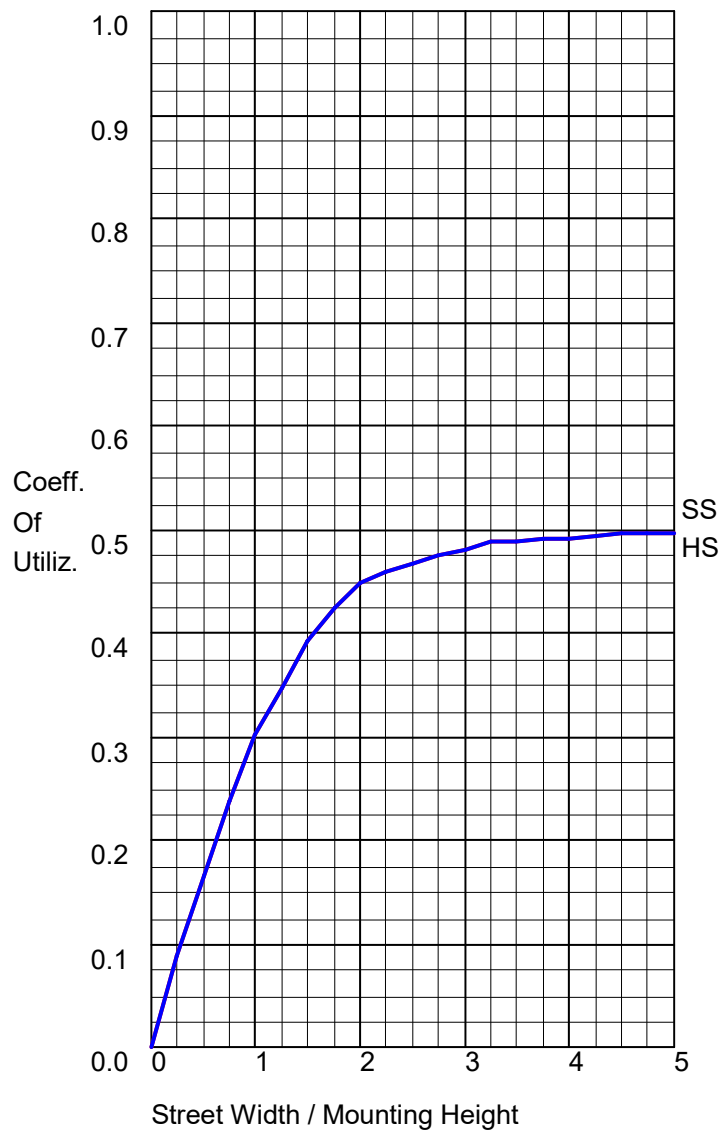
**CANDELA TABULATION - (Cont.)**

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	3673	3673	3673	3673	3673	3673	3673
5	3014	3089	3189	3308	3454	3617	3741
10	2622	2758	2930	3107	3333	3612	3878
15	2550	2658	2791	3041	3339	3686	4069
20	2556	2686	2828	2998	3355	3787	4262
25	2566	2700	2866	3061	3336	3886	4489
30	2605	2750	2907	3090	3396	4098	4853
35	2763	2936	3092	3173	3561	4592	5816
40	2866	3183	3513	3465	3704	5178	7053
45	2839	3244	3734	3824	3660	5078	7329
50	2822	3136	3525	3725	3591	4607	6770
55	2751	2978	3191	3460	3451	4097	6100
60	2534	2673	2772	2979	3086	3557	5255
65	1981	2175	2191	2291	2472	2739	3966
70	1315	1373	1410	1488	1572	1550	2518
75	738	714	756	829	850	778	1127
80	256	255	270	302	319	305	365
85	23	28	37	45	53	56	66
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

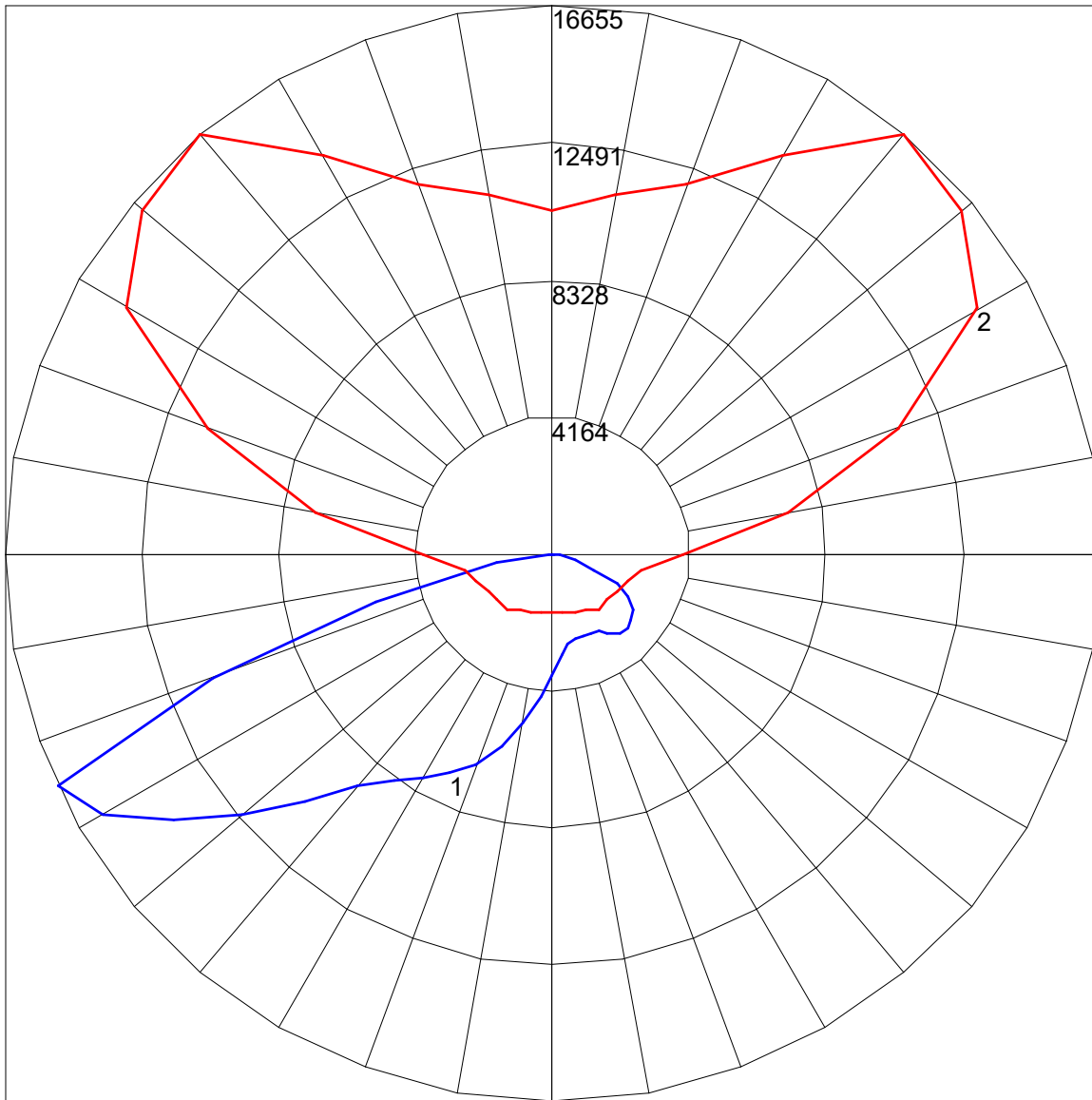
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

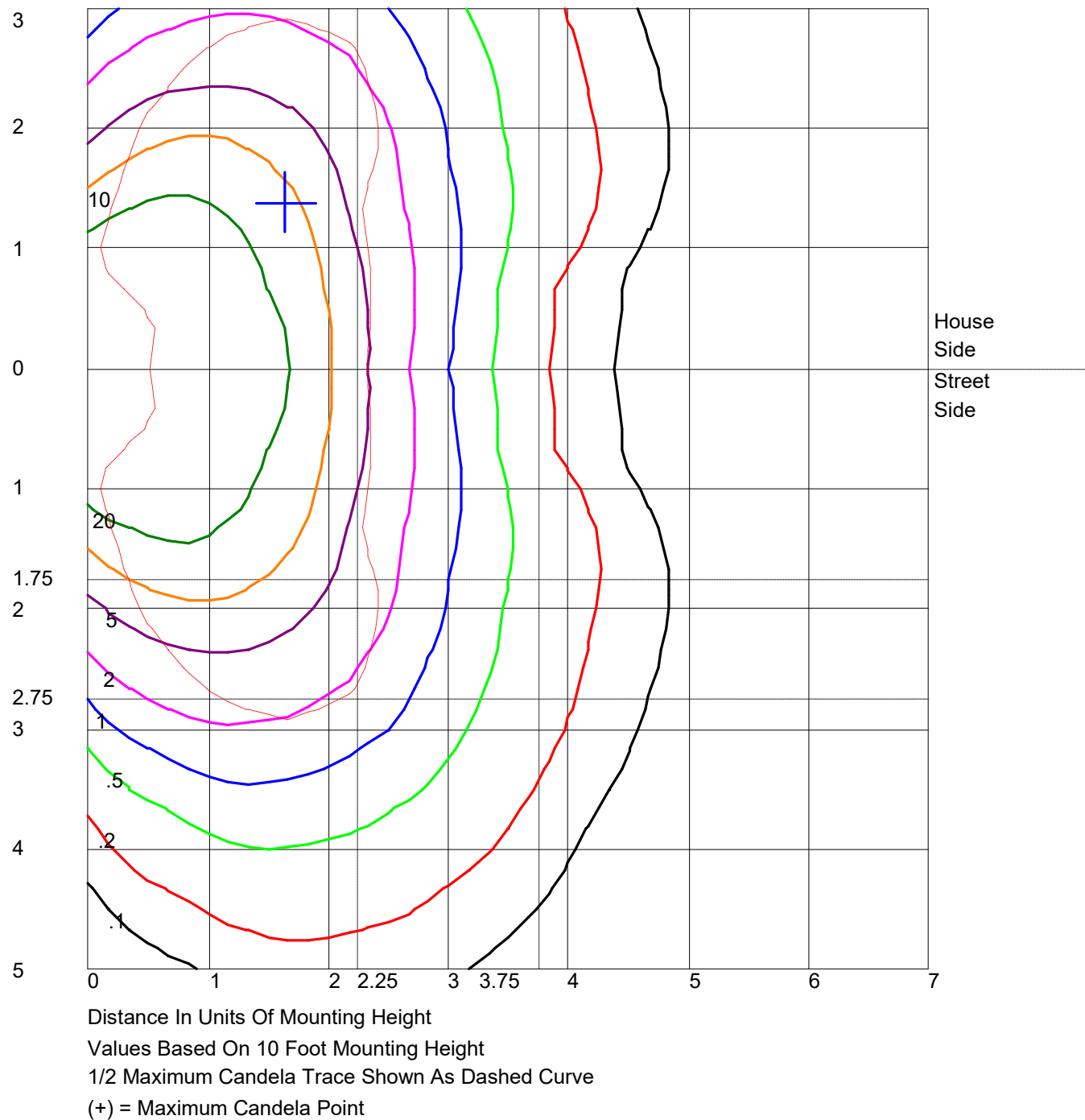
	Lumens	Percent Of Luminaire
Downward Street Side	14882.8	50.0
Downward House Side	14882.8	50.0
Downward Total	29765.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	29765.6	100.0

POLAR GRAPH



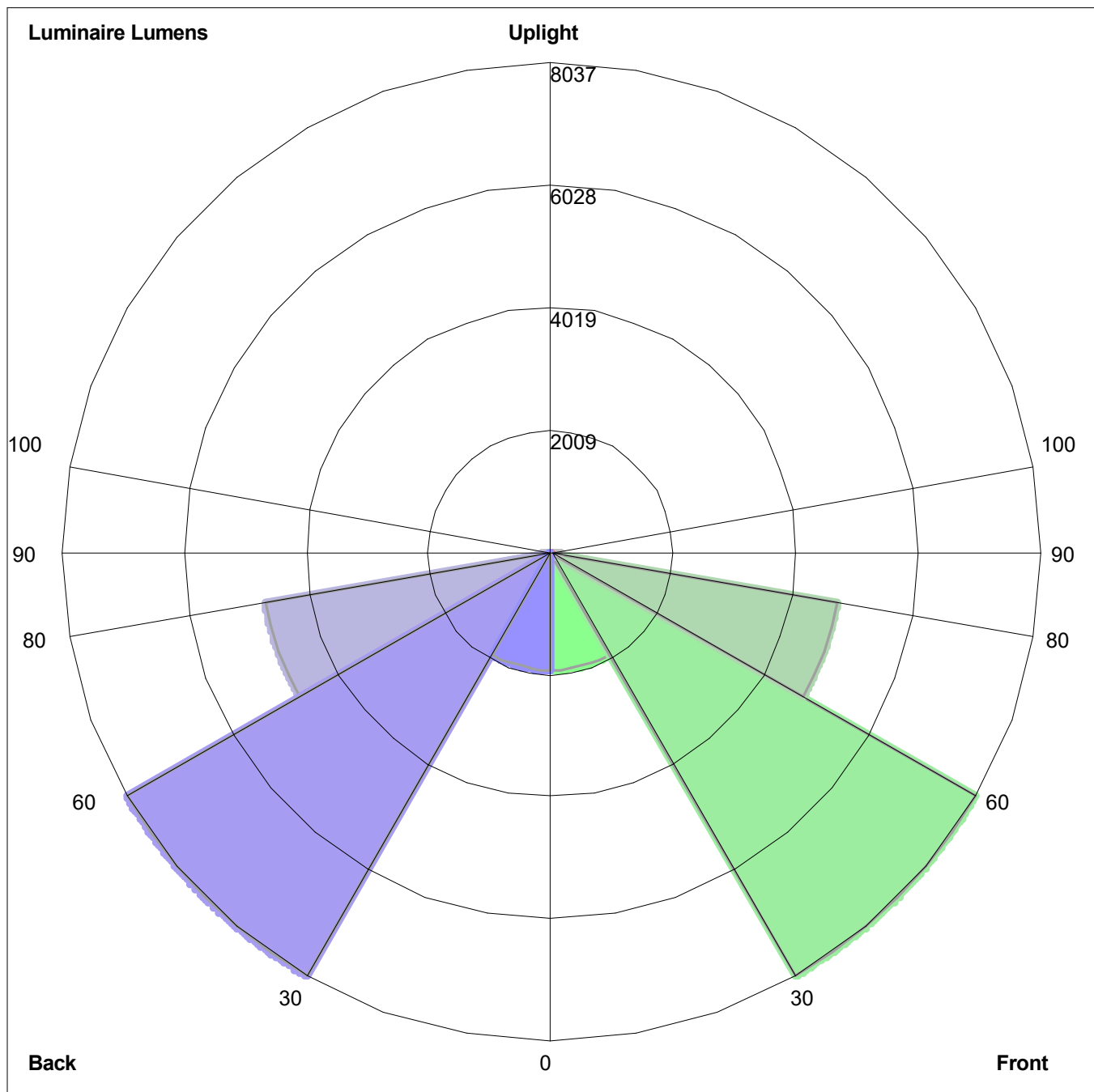
Maximum Candela = 16655 Located At Horizontal Angle = 130, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (130 - 310) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1940.4, Medium=8037.2, High=4768.2, Very High=136.9  
Back: Low=1940.4, Medium=8037.2, High=4768.2, Very High=136.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G4