



## IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-5-LED-26L-45.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3037

[TESTLAB] TUV SUD America

[TESTDATE] 1/16/2017 9:48:31 AM

[ISSUEDATE] 11/15/2019

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] TEL22-5-LED-26L-45

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

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

[SEARCH\_SOURCETYPE] LED

[SEARCH\_APPLICATION] Outdoor

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	29367
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	265.87
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9616
Maximum Candela Angle	280H 60V
Maximum Candela (<90 Degrees Vertical)	9616
Maximum Candela Angle (<90 Degrees Vertical)	280H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	528 (1.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1691.6	N.A.	5.8
FM - Front-Medium (30-60)	7425.5	N.A.	25.3
FH - Front-High (60-80)	5488.2	N.A.	18.7
FVH - Front-Very High (80-90)	78.2	N.A.	0.3
BL - Back-Low (0-30)	1691.6	N.A.	5.8
BM - Back-Medium (30-60)	7425.5	N.A.	25.3
BH - Back-High (60-80)	5488.2	N.A.	18.7
BVH - Back-Very High (80-90)	78.2	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	29367.0	N.A.	100.0
BUG Rating	B5-U0-G3		

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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>	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716
<b>5</b>	3725	3730	3727	3727	3723	3720	3717	3714	3712	3714
<b>10</b>	3766	3772	3772	3771	3764	3757	3746	3734	3727	3724
<b>15</b>	3854	3858	3862	3858	3848	3836	3815	3795	3780	3772
<b>20</b>	3988	3990	3994	3986	3977	3965	3943	3917	3900	3889
<b>25</b>	4163	4163	4186	4182	4169	4165	4152	4131	4108	4097
<b>30</b>	4382	4385	4402	4400	4435	4453	4451	4440	4404	4395
<b>35</b>	4733	4735	4731	4718	4722	4792	4837	4840	4811	4800
<b>40</b>	5200	5209	5196	5194	5153	5178	5341	5363	5353	5335
<b>45</b>	5834	5863	5848	5853	5837	5848	5932	6026	6012	5993
<b>50</b>	6569	6692	6692	6738	6884	6878	6831	6976	6973	6898
<b>55</b>	7695	7815	7830	7826	8036	8148	8077	8103	8314	8229
<b>60</b>	8626	8811	8852	9010	9069	9075	9353	9331	9616	9556
<b>65</b>	8248	8411	8467	8625	8845	8806	8872	8689	9037	8870
<b>70</b>	5599	5742	5928	5929	6242	6008	6038	6027	5863	5818
<b>75</b>	2275	2334	2486	2532	2470	2434	2387	2294	2219	2235
<b>80</b>	407	472	528	524	481	472	444	408	365	336
<b>85</b>	60	65	71	75	69	64	59	52	48	47
<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>	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716
<b>5</b>	3712	3714	3717	3720	3723	3727	3727	3730	3725	3730
<b>10</b>	3727	3734	3746	3757	3764	3771	3772	3772	3766	3772
<b>15</b>	3780	3795	3815	3836	3848	3858	3862	3858	3854	3858
<b>20</b>	3900	3917	3943	3965	3977	3986	3994	3990	3988	3990
<b>25</b>	4108	4131	4152	4165	4169	4182	4186	4163	4163	4163
<b>30</b>	4404	4440	4451	4453	4435	4400	4402	4385	4382	4385
<b>35</b>	4811	4840	4837	4792	4722	4718	4731	4735	4733	4735
<b>40</b>	5353	5363	5341	5178	5153	5194	5196	5209	5200	5209
<b>45</b>	6012	6026	5932	5848	5837	5853	5848	5863	5834	5863
<b>50</b>	6973	6976	6831	6878	6884	6738	6692	6692	6569	6692
<b>55</b>	8314	8103	8077	8148	8036	7826	7830	7815	7695	7815

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**CANDELA TABULATION - (Cont.)**

60	9616	9331	9353	9075	9069	9010	8852	8811	8626	8811
65	9037	8689	8872	8806	8845	8625	8467	8411	8248	8411
70	5863	6027	6038	6008	6242	5929	5928	5742	5599	5742
75	2219	2294	2387	2434	2470	2532	2486	2334	2275	2334
80	365	408	444	472	481	524	528	472	407	472
85	48	52	59	64	69	75	71	65	60	65
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	3716	3716	3716	3716	3716	3716	3716	3716	3716	3716
5	3727	3727	3723	3720	3717	3714	3712	3714	3712	3714
10	3772	3771	3764	3757	3746	3734	3727	3724	3727	3734
15	3862	3858	3848	3836	3815	3795	3780	3772	3780	3795
20	3994	3986	3977	3965	3943	3917	3900	3889	3900	3917
25	4186	4182	4169	4165	4152	4131	4108	4097	4108	4131
30	4402	4400	4435	4453	4451	4440	4404	4395	4404	4440
35	4731	4718	4722	4792	4837	4840	4811	4800	4811	4840
40	5196	5194	5153	5178	5341	5363	5353	5335	5353	5363
45	5848	5853	5837	5848	5932	6026	6012	5993	6012	6026
50	6692	6738	6884	6878	6831	6976	6973	6898	6973	6976
55	7830	7826	8036	8148	8077	8103	8314	8229	8314	8103
60	8852	9010	9069	9075	9353	9331	9616	9556	9616	9331
65	8467	8625	8845	8806	8872	8689	9037	8870	9037	8689
70	5928	5929	6242	6008	6038	6027	5863	5818	5863	6027
75	2486	2532	2470	2434	2387	2294	2219	2235	2219	2294
80	528	524	481	472	444	408	365	336	365	408
85	71	75	69	64	59	52	48	47	48	52
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

**IES ROAD REPORT**  
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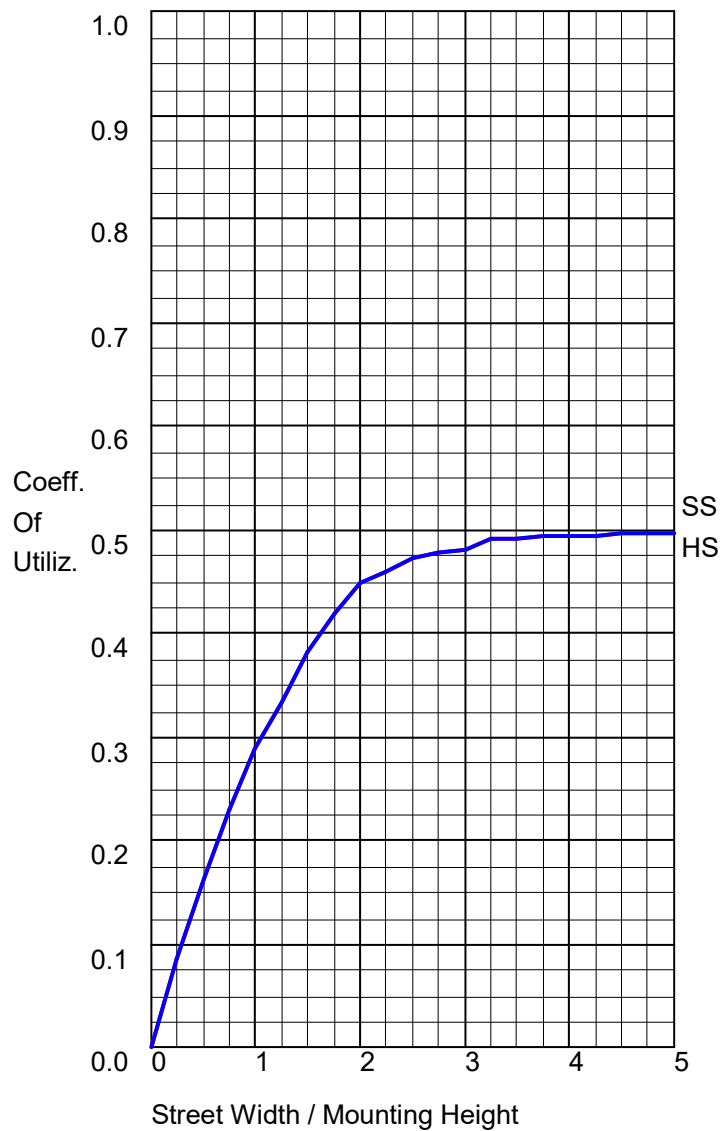
**CANDELA TABULATION - (Cont.)**

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. Horizontal Angles**  
**Angles**

	<b>300</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>
0	3716	3716	3716	3716	3716	3716	3716
5	3717	3720	3723	3727	3727	3730	3725
10	3746	3757	3764	3771	3772	3772	3766
15	3815	3836	3848	3858	3862	3858	3854
20	3943	3965	3977	3986	3994	3990	3988
25	4152	4165	4169	4182	4186	4163	4163
30	4451	4453	4435	4400	4402	4385	4382
35	4837	4792	4722	4718	4731	4735	4733
40	5341	5178	5153	5194	5196	5209	5200
45	5932	5848	5837	5853	5848	5863	5834
50	6831	6878	6884	6738	6692	6692	6569
55	8077	8148	8036	7826	7830	7815	7695
60	9353	9075	9069	9010	8852	8811	8626
65	8872	8806	8845	8625	8467	8411	8248
70	6038	6008	6242	5929	5928	5742	5599
75	2387	2434	2470	2532	2486	2334	2275
80	444	472	481	524	528	472	407
85	59	64	69	75	71	65	60
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

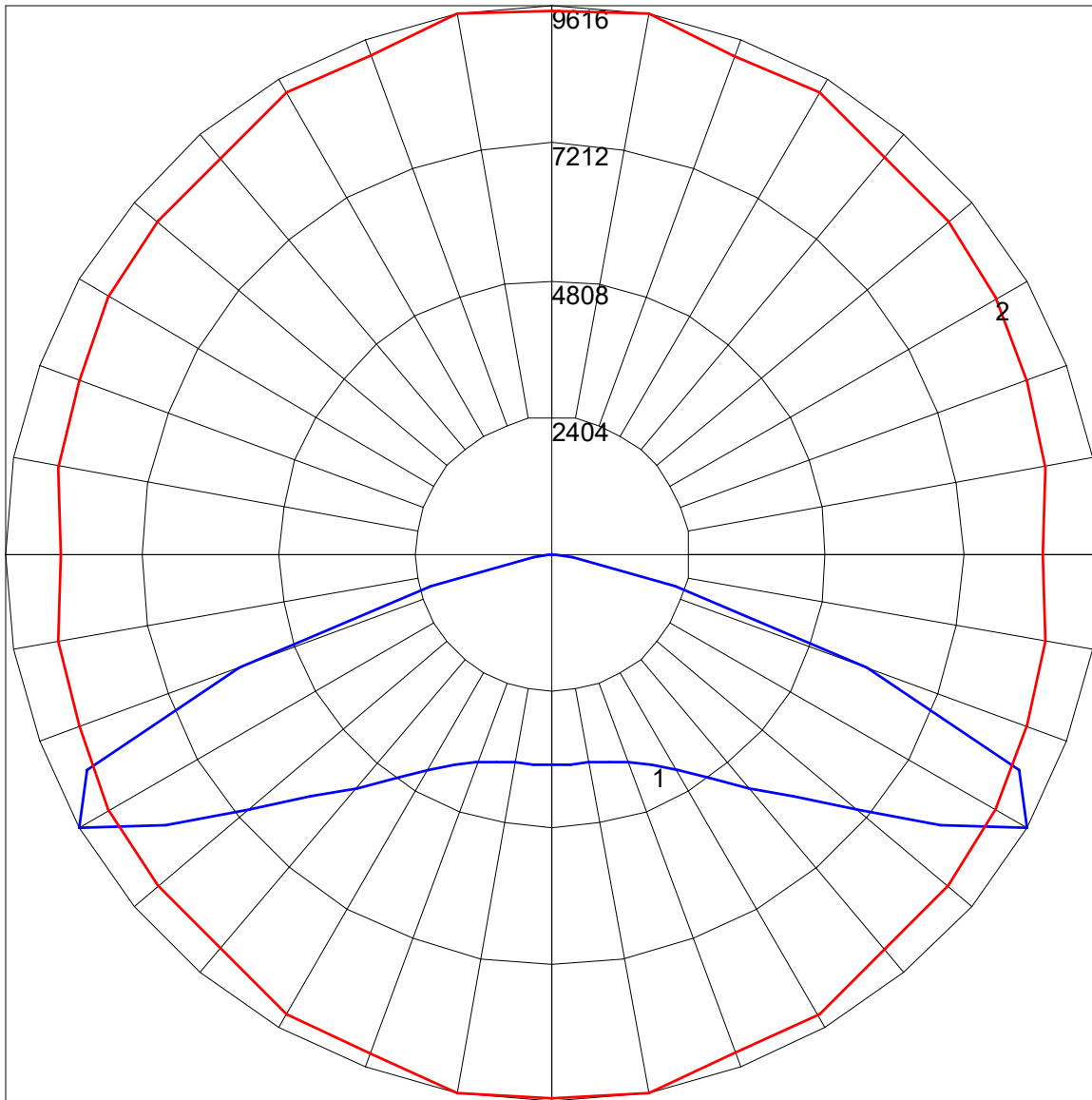
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

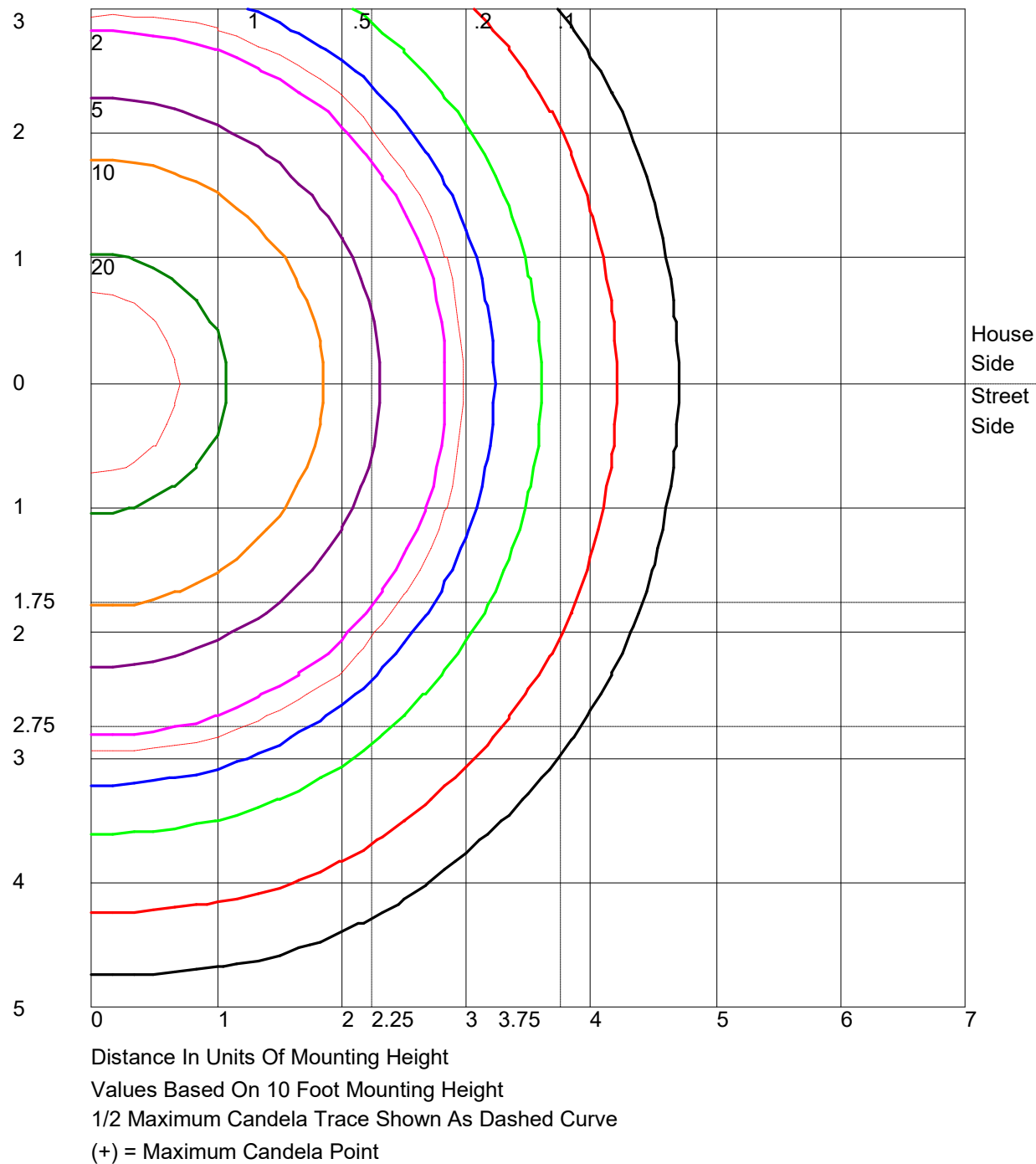
	Lumens	Percent Of Luminaire
Downward Street Side	14683.6	50.0
Downward House Side	14683.6	50.0
Downward Total	29367.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	29367.2	100.0

POLAR GRAPH



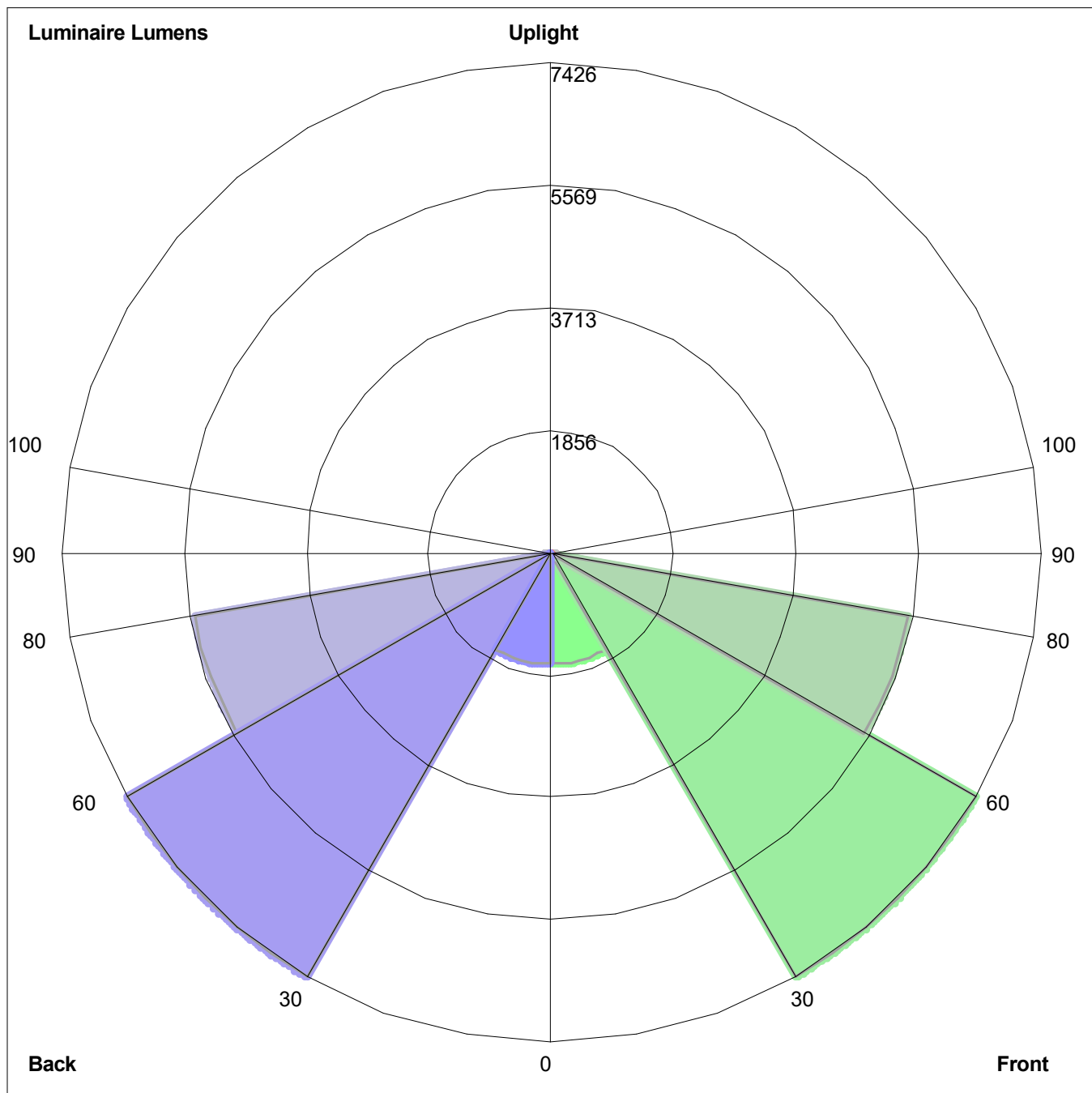
Maximum Candela = 9616 Located At Horizontal Angle = 280, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (280 - 100) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1691.6, Medium=7425.5, High=5488.2, Very High=78.2  
Back: Low=1691.6, Medium=7425.5, High=5488.2, Very High=78.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G3