



IES ROAD REPORT

PHOTOMETRIC FILENAME : TEL22-5-LED-41L-45.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3103

[TESTLAB] TUV SUD America

[TESTDATE] 4/6/2017 4:46:45 PM

[MANUFAC] LSI INDUSTRIES, INC.

[ISSUEDATE] 11/15/2019

[LUMCAT] TEL22-5-LED-41L-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	40197
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	356.16
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12725
Maximum Candela Angle	280H 60V
Maximum Candela (<90 Degrees Vertical)	12725
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	678 (1.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-5-LED-41L-45.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2362.3	N.A.	5.9
FM - Front-Medium (30-60)	10210.2	N.A.	25.4
FH - Front-High (60-80)	7425.5	N.A.	18.5
FVH - Front-Very High (80-90)	100.6	N.A.	0.3
BL - Back-Low (0-30)	2362.3	N.A.	5.9
BM - Back-Medium (30-60)	10210.2	N.A.	25.4
BH - Back-High (60-80)	7425.5	N.A.	18.5
BVH - Back-Very High (80-90)	100.6	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	40197.2	N.A.	100.0
BUG Rating	B5-U0-G3		

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-5-LED-41L-45.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	10	20	30	40	50	60	70	80	90
0	5113	5113	5113	5113	5113	5113	5113	5113	5113	5113
5	5135	5142	5139	5136	5131	5126	5121	5117	5115	5112
10	5220	5230	5227	5219	5211	5197	5183	5168	5157	5153
15	5373	5383	5384	5375	5358	5336	5309	5282	5261	5255
20	5592	5602	5603	5587	5565	5534	5512	5484	5465	5457
25	5825	5834	5867	5869	5846	5828	5810	5803	5779	5751
30	6136	6144	6152	6120	6194	6227	6239	6237	6184	6175
35	6646	6651	6623	6572	6560	6669	6773	6799	6757	6777
40	7338	7347	7294	7252	7169	7210	7492	7556	7533	7509
45	8231	8270	8225	8199	8142	8146	8287	8487	8440	8446
50	9132	9259	9232	9357	9580	9589	9483	9714	9697	9617
55	10393	10510	10538	10615	10905	11108	10933	10855	11224	11124
60	11305	11502	11630	11906	12016	11929	12310	12258	12725	12674
65	11023	11277	11330	11428	11596	11648	11672	11474	12261	12114
70	8047	8220	8349	8157	8553	8130	8423	8445	8578	8592
75	2966	3166	3385	3579	3506	3416	3386	3117	2889	2784
80	537	609	658	678	642	622	587	524	452	421
85	76	87	95	93	85	80	73	65	57	59
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									
	100	110	120	130	140	150	160	170	180	190
0	5113	5113	5113	5113	5113	5113	5113	5113	5113	5113
5	5115	5117	5121	5126	5131	5136	5139	5142	5135	5142
10	5157	5168	5183	5197	5211	5219	5227	5230	5220	5230
15	5261	5282	5309	5336	5358	5375	5384	5383	5373	5383
20	5465	5484	5512	5534	5565	5587	5603	5602	5592	5602
25	5779	5803	5810	5828	5846	5869	5867	5834	5825	5834
30	6184	6237	6239	6227	6194	6120	6152	6144	6136	6144
35	6757	6799	6773	6669	6560	6572	6623	6651	6646	6651
40	7533	7556	7492	7210	7169	7252	7294	7347	7338	7347
45	8440	8487	8287	8146	8142	8199	8225	8270	8231	8270
50	9697	9714	9483	9589	9580	9357	9232	9259	9132	9259
55	11224	10855	10933	11108	10905	10615	10538	10510	10393	10510

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-5-LED-41L-45.IES

CANDELA TABULATION - (Cont.)

60	12725	12258	12310	11929	12016	11906	11630	11502	11305	11502
65	12261	11474	11672	11648	11596	11428	11330	11277	11023	11277
70	8578	8445	8423	8130	8553	8157	8349	8220	8047	8220
75	2889	3117	3386	3416	3506	3579	3385	3166	2966	3166
80	452	524	587	622	642	678	658	609	537	609
85	57	65	73	80	85	93	95	87	76	87
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	5113	5113	5113	5113	5113	5113	5113	5113	5113	5113
5	5139	5136	5131	5126	5121	5117	5115	5112	5115	5117
10	5227	5219	5211	5197	5183	5168	5157	5153	5157	5168
15	5384	5375	5358	5336	5309	5282	5261	5255	5261	5282
20	5603	5587	5565	5534	5512	5484	5465	5457	5465	5484
25	5867	5869	5846	5828	5810	5803	5779	5751	5779	5803
30	6152	6120	6194	6227	6239	6237	6184	6175	6184	6237
35	6623	6572	6560	6669	6773	6799	6757	6777	6757	6799
40	7294	7252	7169	7210	7492	7556	7533	7509	7533	7556
45	8225	8199	8142	8146	8287	8487	8440	8446	8440	8487
50	9232	9357	9580	9589	9483	9714	9697	9617	9697	9714
55	10538	10615	10905	11108	10933	10855	11224	11124	11224	10855
60	11630	11906	12016	11929	12310	12258	12725	12674	12725	12258
65	11330	11428	11596	11648	11672	11474	12261	12114	12261	11474
70	8349	8157	8553	8130	8423	8445	8578	8592	8578	8445
75	3385	3579	3506	3416	3386	3117	2889	2784	2889	3117
80	658	678	642	622	587	524	452	421	452	524
85	95	93	85	80	73	65	57	59	57	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

IES ROAD REPORT
PHOTOMETRIC FILENAME : TEL22-5-LED-41L-45.IES

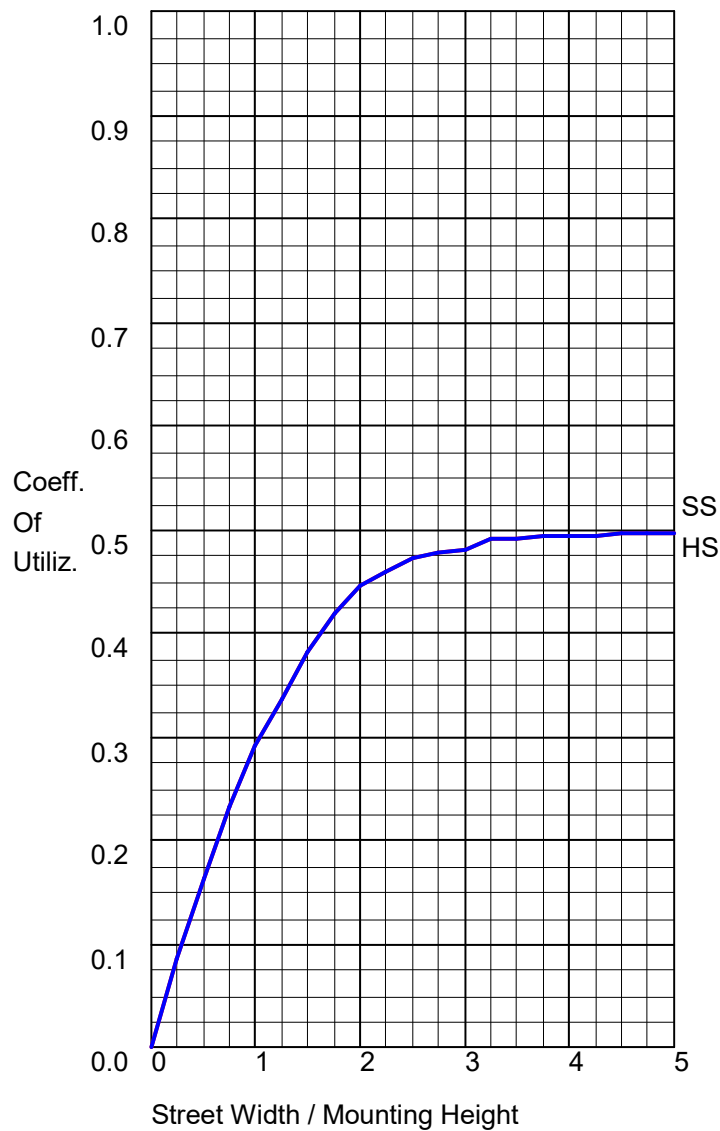
CANDELA TABULATION - (Cont.)

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. Horizontal Angles
Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	5113	5113	5113	5113	5113	5113	5113
5	5121	5126	5131	5136	5139	5142	5135
10	5183	5197	5211	5219	5227	5230	5220
15	5309	5336	5358	5375	5384	5383	5373
20	5512	5534	5565	5587	5603	5602	5592
25	5810	5828	5846	5869	5867	5834	5825
30	6239	6227	6194	6120	6152	6144	6136
35	6773	6669	6560	6572	6623	6651	6646
40	7492	7210	7169	7252	7294	7347	7338
45	8287	8146	8142	8199	8225	8270	8231
50	9483	9589	9580	9357	9232	9259	9132
55	10933	11108	10905	10615	10538	10510	10393
60	12310	11929	12016	11906	11630	11502	11305
65	11672	11648	11596	11428	11330	11277	11023
70	8423	8130	8553	8157	8349	8220	8047
75	3386	3416	3506	3579	3385	3166	2966
80	587	622	642	678	658	609	537
85	73	80	85	93	95	87	76
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

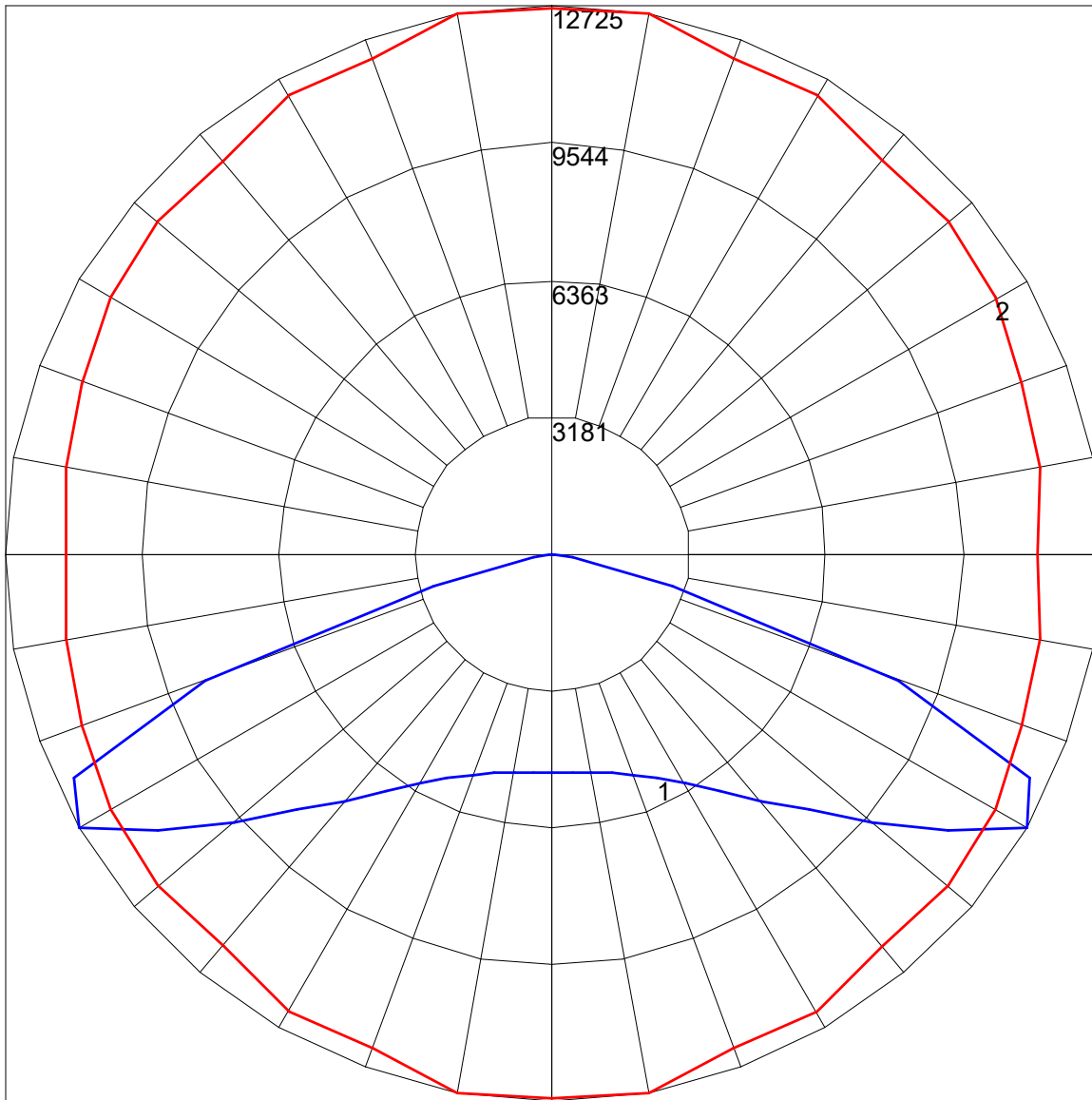
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

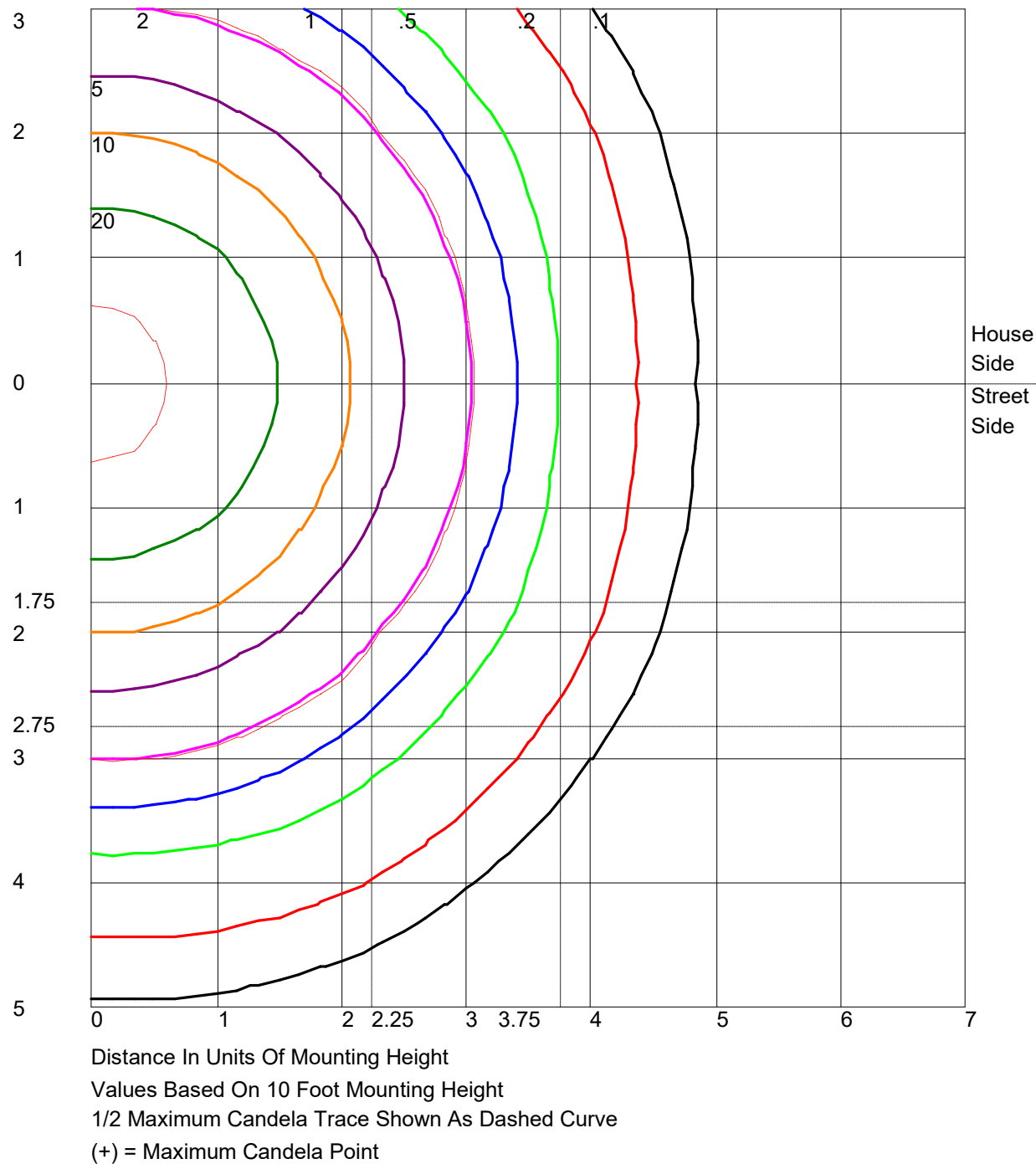
	Lumens	Percent Of Luminaire
Downward Street Side	20098.6	50.0
Downward House Side	20098.6	50.0
Downward Total	40197.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	40197.2	100.0

POLAR GRAPH

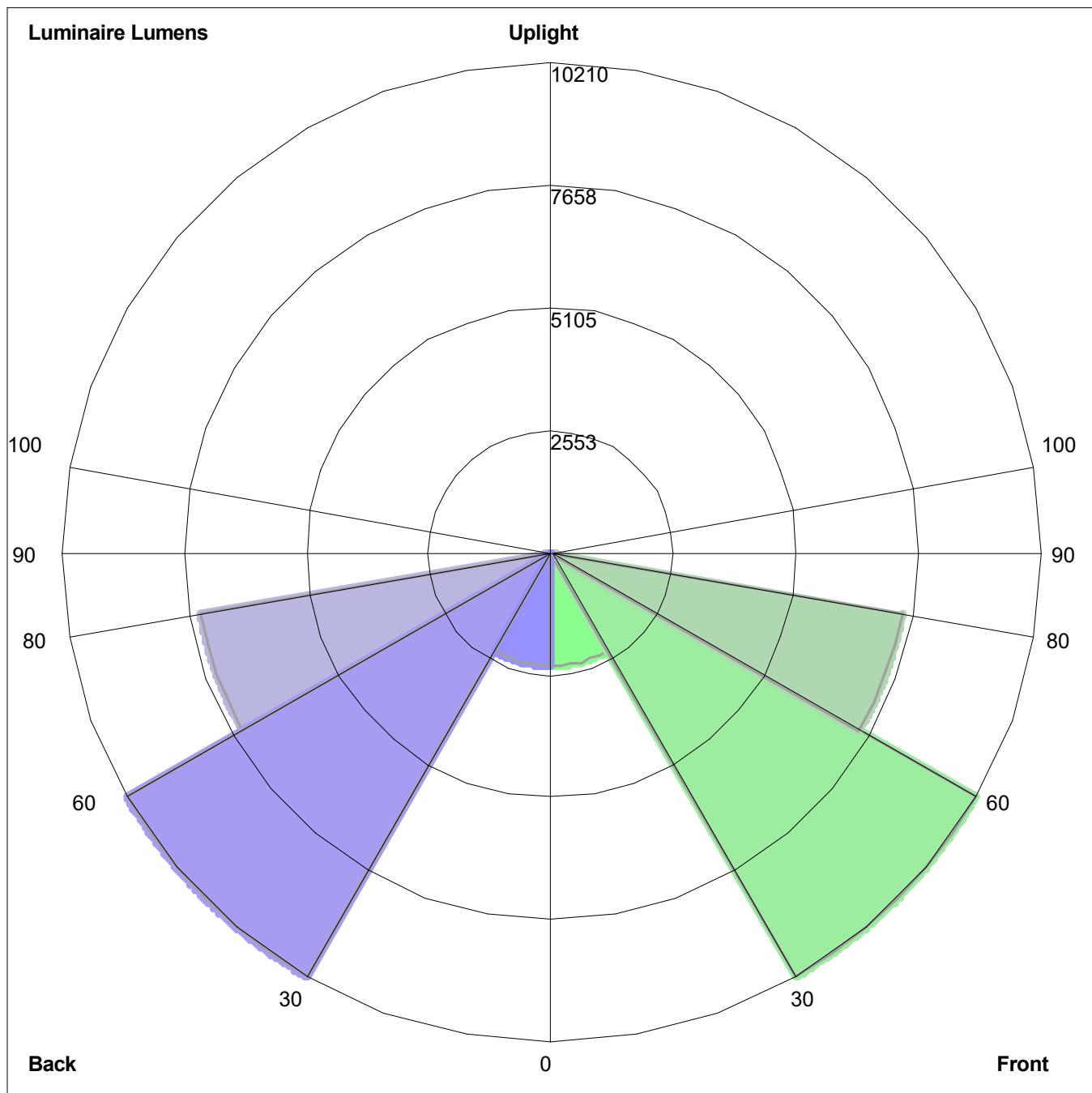


Maximum Candela = 12725 Located At Horizontal Angle = 280, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (280 - 100) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2362.3, Medium=10210.2, High=7425.5, Very High=100.6
Back: Low=2362.3, Medium=10210.2, High=7425.5, Very High=100.6
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G3