



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5N-30-70CRI-HSS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-10659
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 01/23/2020
[TEST DATE] 10/31/18
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMCAT] EXN-EGLED-03L-T5N-30-70CRI-HSS
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[OTHER] TEST PROCEDURE: IESNA LM-79-08

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2116
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	22
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	685
Maximum Candela Angle	17.5H 47.5V
Maximum Candela (<90 Degrees Vertical)	685
Maximum Candela Angle (<90 Degrees Vertical)	17.5H 47.5V
Maximum Candela At 90 Degrees Vertical	10 (0.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	197 (9.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5N-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	189.6	N.A.	9.0
FM - Front-Medium (30-60)	714.3	N.A.	33.8
FH - Front-High (60-80)	402.7	N.A.	19.0
FVH - Front-Very High (80-90)	41.1	N.A.	1.9
BL - Back-Low (0-30)	161.0	N.A.	7.6
BM - Back-Medium (30-60)	466.9	N.A.	22.1
BH - Back-High (60-80)	127.8	N.A.	6.0
BVH - Back-Very High (80-90)	6.2	N.A.	0.3
UL - Uplight-Low (90-100)	3.4	N.A.	0.2
UH - Uplight-High (100-180)	3.0	N.A.	0.1
Total	2116.0	N.A.	100.0
BUG Rating	B1-U1-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>17.5</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	331	331	331	331	331	331	331	331	331	331
2.5	335	335	335	335	334	335	334	334	334	334
5.0	344	344	343	343	343	343	342	341	340	339
7.5	355	355	354	355	354	353	351	350	349	346
10.0	369	369	368	369	368	367	364	362	359	356
12.5	387	387	387	387	385	383	380	377	373	368
15.0	407	408	408	407	406	403	399	394	389	385
17.5	431	433	432	430	430	426	421	415	409	403
20.0	462	461	459	458	456	451	445	439	431	424
22.5	491	490	489	488	485	480	473	465	457	447
25.0	523	522	520	519	516	509	501	493	482	471
27.5	557	556	553	552	547	539	530	521	508	496
30.0	590	588	584	583	577	569	559	548	534	519
32.5	620	618	613	612	606	595	586	574	558	540
35.0	644	643	639	637	631	621	610	595	579	560
37.5	660	659	658	657	651	642	630	614	597	576
40.0	672	672	671	670	667	658	646	631	612	590
42.5	680	680	680	680	677	670	657	642	622	599
45.0	684	685	685	685	683	676	665	649	629	604
47.5	684	685	685	685	682	676	666	651	630	605
50.0	678	679	679	679	676	671	662	648	626	600
52.5	667	668	669	669	666	661	652	637	616	590
55.0	650	651	652	652	651	646	637	621	601	575
57.5	626	630	631	631	630	625	615	601	580	555
60.0	597	602	604	603	602	597	589	575	553	529
62.5	565	567	569	567	567	563	556	542	521	496
65.0	528	528	528	527	527	525	519	504	485	458
67.5	483	482	485	485	483	481	477	462	443	417
70.0	428	434	437	438	434	432	428	417	397	370
72.5	371	382	383	382	380	378	376	365	345	322
75.0	311	327	324	323	320	320	318	308	293	269
77.5	251	265	260	259	258	258	254	249	235	212
80.0	190	197	195	191	197	194	190	188	177	156
82.5	129	132	128	128	129	132	129	127	119	103
85.0	71	71	67	70	71	71	72	71	66	56
87.5	24	21	22	22	23	24	24	26	23	20
90.0	10	10	10	9	9	9	9	7	6	5
92.5	10	10	10	10	9	9	9	6	4	2
95.0	9	9	9	9	9	9	8	6	3	2
97.5	9	9	9	9	9	8	7	5	3	1
100.0	8	8	7	7	7	7	6	4	2	1
102.5	6	6	6	6	5	5	5	3	1	1
105.0	4	4	4	4	4	4	3	2	1	0
107.5	2	2	2	2	2	2	2	1	1	0
110.0	0	0	1	1	1	1	1	1	0	0
112.5	0	0	0	0	0	1	1	1	0	0
115.0	0	0	0	0	0	0	0	0	0	1
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	1
122.5	0	0	0	0	0	0	0	0	0	1
125.0	0	0	0	0	0	0	0	0	0	1
127.5	0	0	0	0	0	0	0	0	0	1
130.0	0	0	0	0	0	0	0	0	0	0

IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5N-30-70CRI-HSS.IES

CANDELA TABULATION - (Cont.)

132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	1
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	331	331	331	331	331	331	331	331	331	331
2.5	333	332	332	331	331	330	330	329	329	328
5.0	337	336	335	333	331	330	329	328	327	326
7.5	344	342	341	338	335	332	330	329	327	326
10.0	352	350	349	345	341	337	334	331	330	329
12.5	365	362	360	354	349	345	341	337	335	333
15.0	380	376	372	367	360	355	350	347	343	340
17.5	397	393	388	381	373	367	362	356	352	349
20.0	416	411	406	397	388	381	374	368	364	361
22.5	437	432	426	416	405	396	388	381	376	372
25.0	460	453	446	434	422	412	403	395	388	385
27.5	481	475	467	453	440	427	417	407	401	396
30.0	503	496	487	471	457	443	429	419	411	406
32.5	523	514	505	487	470	454	440	428	419	412
35.0	540	531	520	500	481	462	446	433	423	416
37.5	555	543	533	510	488	467	450	434	423	414
40.0	566	554	541	516	491	468	448	431	418	408
42.5	574	560	546	519	491	465	443	422	407	396
45.0	576	562	547	516	486	457	432	408	390	379
47.5	576	559	543	510	477	444	415	389	369	354
50.0	569	553	535	499	462	427	393	365	341	325
52.5	557	540	520	482	443	404	367	334	308	290
55.0	541	523	502	461	416	375	335	299	270	249
57.5	520	500	480	434	387	340	299	259	227	202
60.0	494	472	449	403	353	303	258	216	179	153
62.5	460	438	416	368	315	263	213	167	129	100
65.0	423	399	379	330	275	220	168	120	80	52
67.5	380	359	338	288	233	178	123	78	41	16
70.0	335	315	292	245	190	136	85	45	15	1
72.5	287	269	245	198	149	97	55	22	5	0
75.0	236	220	198	156	108	65	32	9	1	0
77.5	185	173	150	112	75	42	16	4	0	0

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CANDELA TABULATION - (Cont.)

80.0	134	123	107	77	48	24	8	2	0	0
82.5	88	79	69	47	28	12	4	1	0	0
85.0	47	43	37	25	13	6	1	0	0	0
87.5	17	14	12	9	5	2	0	0	0	0
90.0	3	2	2	1	0	0	0	0	0	0
92.5	1	0	0	0	0	0	0	0	0	0
95.0	1	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	1	0	0	0	0	0	0
102.5	0	0	0	1	1	1	0	0	0	0
105.0	1	1	1	1	1	1	1	0	0	0
107.5	0	1	1	1	1	1	1	0	0	0
110.0	1	1	1	1	1	1	1	0	0	0
112.5	1	1	1	1	1	1	1	1	1	0
115.0	1	1	1	1	1	1	1	1	1	0
117.5	1	1	1	1	1	1	1	1	1	1
120.0	1	1	1	1	1	1	1	1	1	1
122.5	1	1	1	1	1	1	1	1	1	1
125.0	1	1	1	1	1	1	1	1	1	1
127.5	1	1	1	1	1	1	1	1	1	1
130.0	1	1	1	1	1	1	1	0	0	1
132.5	1	1	1	1	1	1	1	0	1	0
135.0	1	1	1	1	1	1	1	0	0	0
137.5	1	1	0	1	1	1	1	0	0	0
140.0	0	1	0	1	1	1	1	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>175.0</u>	<u>180.0</u>
0.0	331	331
2.5	328	328
5.0	326	325
7.5	325	325
10.0	328	328
12.5	332	332
15.0	339	339
17.5	348	348
20.0	359	358
22.5	370	369
25.0	382	381

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5N-30-70CRI-HSS.IES****CANDELA TABULATION - (Cont.)**

27.5	393	393
30.0	403	403
32.5	409	409
35.0	412	411
37.5	409	409
40.0	403	402
42.5	390	389
45.0	372	371
47.5	349	348
50.0	316	317
52.5	280	277
55.0	237	235
57.5	190	186
60.0	137	135
62.5	85	83
65.0	36	34
67.5	2	1
70.0	0	0
72.5	0	0
75.0	0	0
77.5	0	0
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0
92.5	0	0
95.0	0	0
97.5	0	0
100.0	0	0
102.5	0	0
105.0	0	0
107.5	0	0
110.0	0	0
112.5	1	1
115.0	1	0
117.5	1	1
120.0	1	1
122.5	1	1
125.0	1	1
127.5	1	1
130.0	1	0
132.5	0	0
135.0	0	0
137.5	0	0
140.0	0	0
142.5	0	0
145.0	0	0
147.5	0	0
150.0	0	0
152.5	0	0
155.0	0	0
157.5	0	0
160.0	0	0
162.5	0	0
165.0	0	0

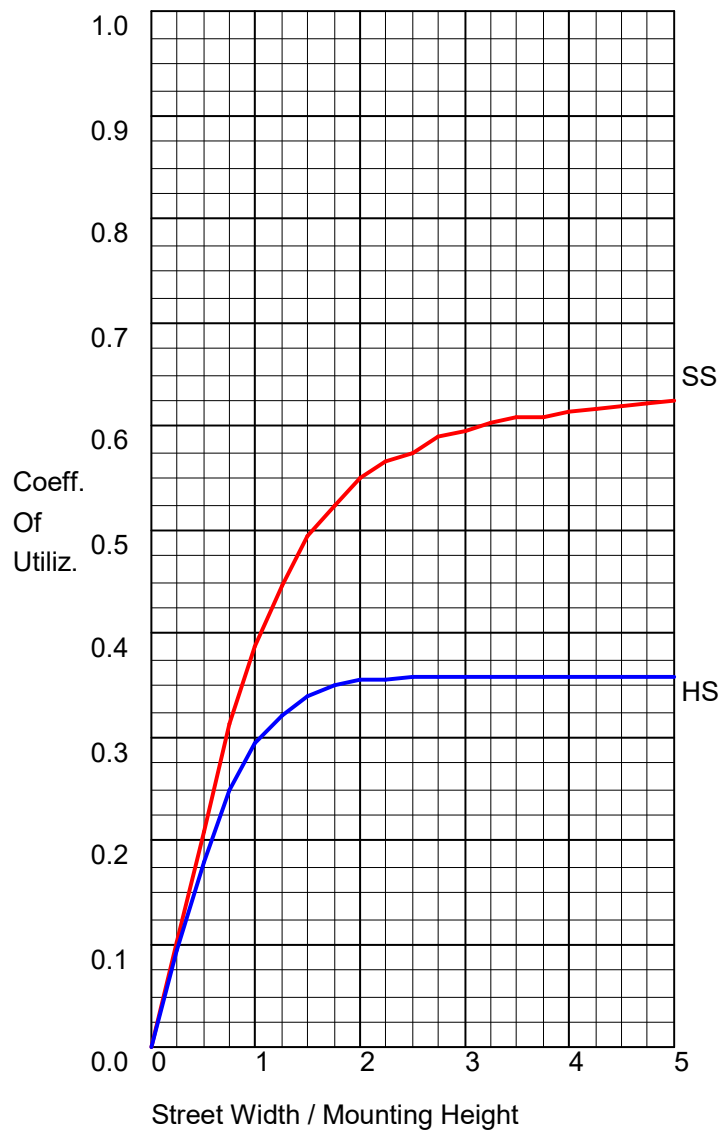
IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5N-30-70CRI-HSS.IES

CANDELA TABULATION - (Cont.)

167.5	0	0
170.0	0	0
172.5	0	0
175.0	0	0
177.5	0	0
180.0	0	0

COEFFICIENTS OF UTILIZATION



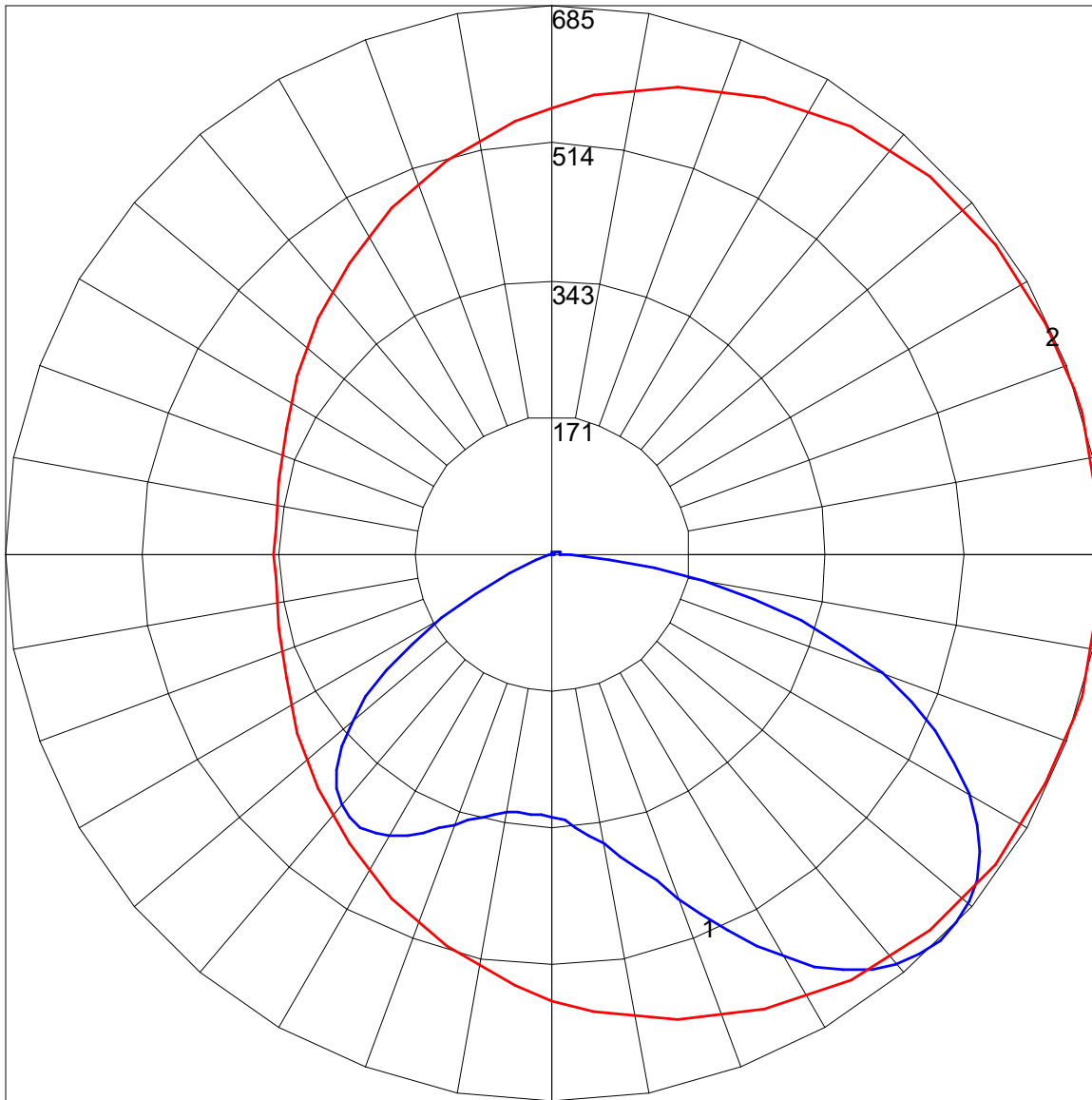
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1347.7	63.7
Downward House Side	761.9	36.0
Downward Total	2109.6	99.7
Upward Street Side	5.0	0.2
Upward House Side	1.4	0.1
Upward Total	6.4	0.3
Total Flux	2116.0	100.0

IES ROAD REPORT

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POLAR GRAPH

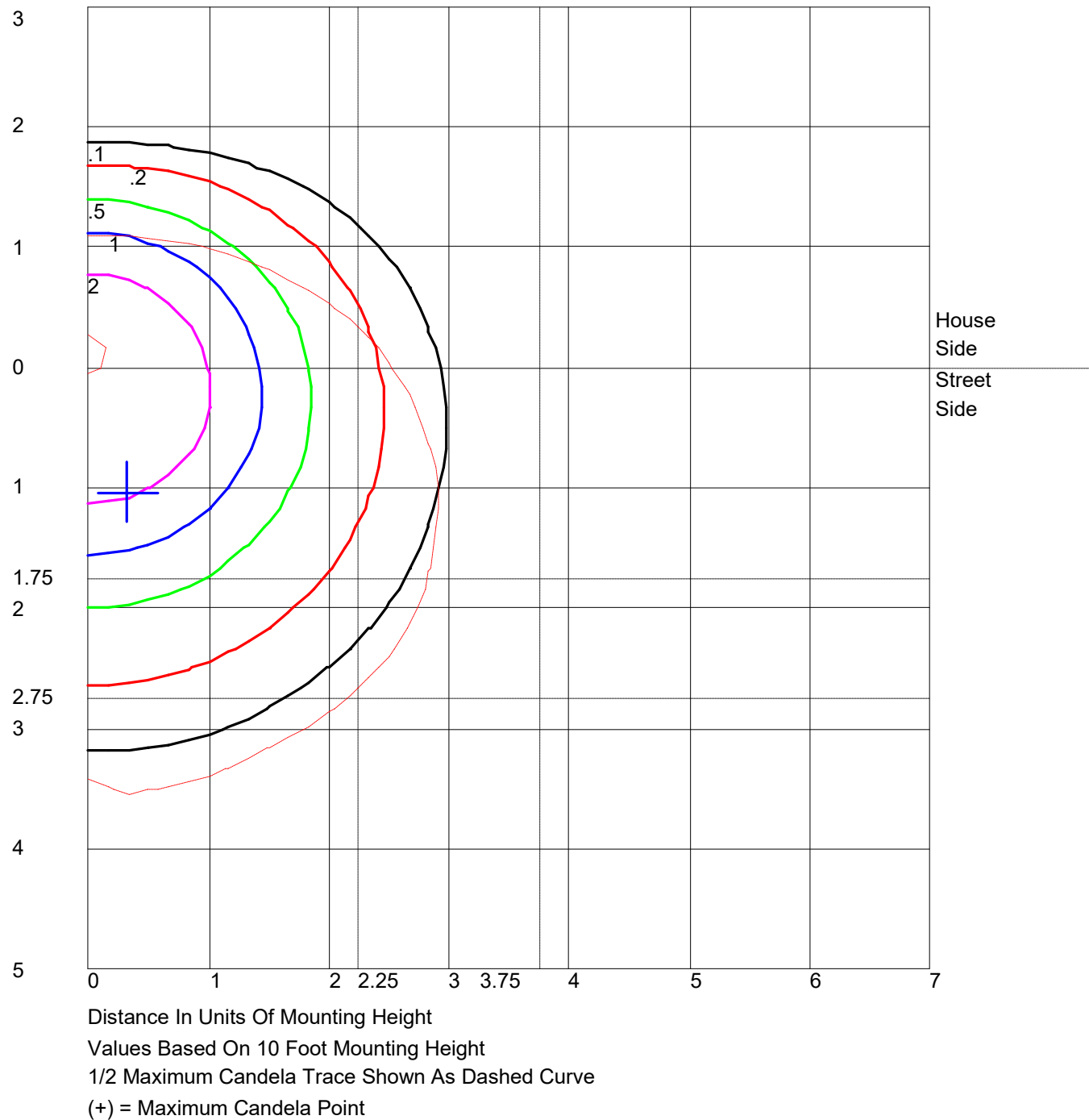


Maximum Candela = 685 Located At Horizontal Angle = 17.5, Vertical Angle = 47.5

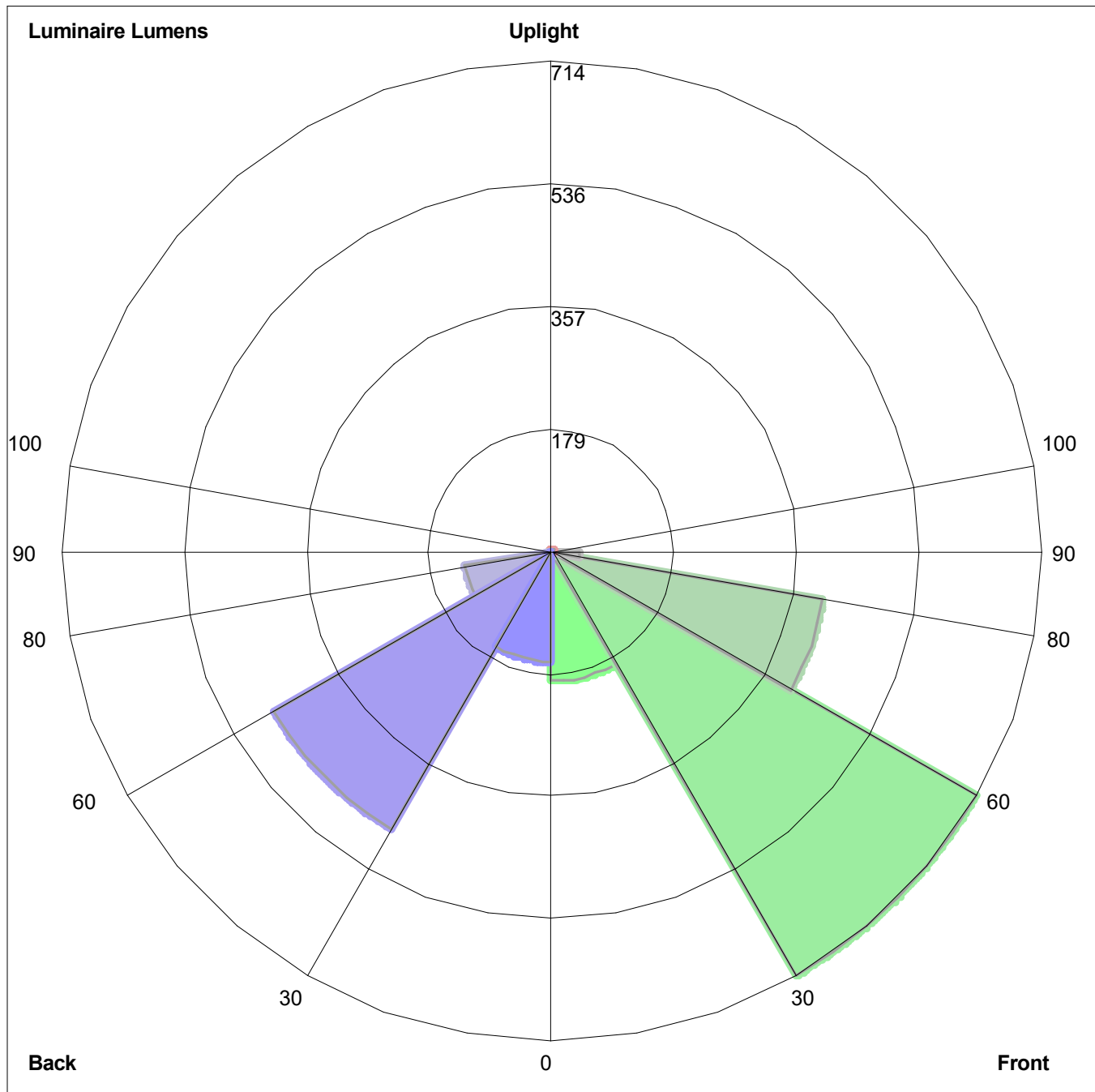
1 - Vertical Plane Through Horizontal Angles (17.5 - 197.5) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=189.6, Medium=714.3, High=402.7, Very High=41.1
Back: Low=161.0, Medium=466.9, High=127.8, Very High=6.2
Uplight: Low=3.4, High=3.0

BUG Rating : B1-U1-G1