



## IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5W-30-70CRI-HSS.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-10594\_scaled

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 01/23/2020

[TEST DATE] 09/21/18

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] EXN-EGLED-03L-T5W-30-70CRI-HSS

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

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

[OTHER] SCALED FROM ORIGINAL TEST DATA

### CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2077
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	22
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	710
Maximum Candela Angle	35H 60V
Maximum Candela (<90 Degrees Vertical)	710
Maximum Candela Angle (<90 Degrees Vertical)	35H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	270 (13.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : EXN-EGLED-03L-T5W-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	104.4	N.A.	5.0
FM - Front-Medium (30-60)	658.8	N.A.	31.7
FH - Front-High (60-80)	526.5	N.A.	25.4
FVH - Front-Very High (80-90)	53.9	N.A.	2.6
BL - Back-Low (0-30)	96.9	N.A.	4.7
BM - Back-Medium (30-60)	455.8	N.A.	21.9
BH - Back-High (60-80)	172.8	N.A.	8.3
BVH - Back-Very High (80-90)	7.8	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	2076.9	N.A.	100.0
BUG Rating	B1-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>5.0</b></u>	<u><b>15.0</b></u>	<u><b>22.5</b></u>	<u><b>25.0</b></u>	<u><b>35.0</b></u>	<u><b>45.0</b></u>	<u><b>55.0</b></u>	<u><b>65.0</b></u>	<u><b>75.0</b></u>
<b>0.0</b>	120	120	120	120	120	120	120	120	120	120
<b>2.5</b>	120	120	120	120	120	120	120	120	120	121
<b>5.0</b>	124	124	124	124	124	124	124	125	125	125
<b>7.5</b>	132	132	132	132	132	132	132	133	133	133
<b>10.0</b>	144	144	144	145	145	144	144	144	145	145
<b>12.5</b>	160	161	162	161	162	162	160	160	161	161
<b>15.0</b>	182	183	183	182	183	182	181	181	181	180
<b>17.5</b>	207	209	209	208	208	208	207	206	204	205
<b>20.0</b>	241	239	240	237	238	237	236	234	232	232
<b>22.5</b>	275	274	274	273	272	270	269	267	263	261
<b>25.0</b>	313	312	311	310	309	307	304	301	296	293
<b>27.5</b>	354	355	351	351	348	345	342	338	333	327
<b>30.0</b>	396	396	391	391	388	386	380	374	367	360
<b>32.5</b>	437	438	434	431	428	424	418	410	401	393
<b>35.0</b>	475	476	473	470	468	462	454	444	434	424
<b>37.5</b>	507	509	509	506	506	497	489	477	466	454
<b>40.0</b>	536	538	540	539	539	532	520	509	496	482
<b>42.5</b>	563	567	568	568	568	563	552	539	524	508
<b>45.0</b>	590	593	596	596	597	593	583	568	551	536
<b>47.5</b>	615	618	624	624	624	621	613	598	579	562
<b>50.0</b>	639	643	651	652	650	647	643	624	606	588
<b>52.5</b>	660	665	676	677	675	673	669	648	629	613
<b>55.0</b>	674	683	695	698	696	695	689	666	646	631
<b>57.5</b>	681	692	708	710	709	709	703	676	655	641
<b>60.0</b>	679	692	708	710	710	710	705	677	655	640
<b>62.5</b>	667	680	696	698	698	698	694	666	643	626
<b>65.0</b>	639	655	670	672	674	674	669	643	618	599
<b>67.5</b>	601	619	632	635	636	636	630	603	582	559
<b>70.0</b>	550	570	580	584	584	584	576	554	531	508
<b>72.5</b>	488	510	518	517	520	521	513	494	472	443
<b>75.0</b>	417	436	444	443	446	442	439	423	402	373
<b>77.5</b>	339	355	353	359	354	359	356	344	324	295
<b>80.0</b>	258	264	264	270	266	265	266	258	240	215
<b>82.5</b>	167	176	175	181	178	177	174	171	154	134
<b>85.0</b>	92	95	95	96	97	96	94	86	81	69
<b>87.5</b>	31	32	32	32	33	32	30	27	24	21
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>85.0</b></u>	<u><b>90.0</b></u>	<u><b>95.0</b></u>	<u><b>105.0</b></u>	<u><b>115.0</b></u>	<u><b>125.0</b></u>	<u><b>135.0</b></u>	<u><b>145.0</b></u>	<u><b>155.0</b></u>	<u><b>165.0</b></u>
<b>0.0</b>	120	120	120	120	120	120	120	120	120	120
<b>2.5</b>	121	121	121	121	120	120	120	120	120	120
<b>5.0</b>	125	125	125	125	125	125	125	125	125	125
<b>7.5</b>	134	134	133	133	133	133	133	133	133	133
<b>10.0</b>	146	146	145	145	145	145	145	146	145	145
<b>12.5</b>	161	161	161	161	160	160	161	161	161	160
<b>15.0</b>	181	181	180	179	179	178	179	179	179	179
<b>17.5</b>	203	203	202	201	200	200	200	199	199	200
<b>20.0</b>	229	228	227	225	224	224	223	222	222	222
<b>22.5</b>	257	256	255	253	251	248	248	247	246	246
<b>25.0</b>	288	286	284	281	279	276	273	272	271	271
<b>27.5</b>	319	317	316	311	306	303	299	297	295	294

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## CANDELA TABULATION - (Cont.)

30.0	353	348	345	339	333	328	323	320	318	317
32.5	383	379	374	366	357	351	346	342	340	337
35.0	413	407	402	391	380	371	366	361	357	353
37.5	441	435	427	413	400	390	382	377	371	366
40.0	468	459	450	433	418	405	395	387	380	374
42.5	492	482	473	451	433	418	405	394	385	377
45.0	516	505	493	469	445	427	412	398	386	376
47.5	538	526	512	486	457	434	416	397	382	371
50.0	560	546	530	500	464	437	415	390	371	359
52.5	580	563	546	511	468	435	408	378	354	338
55.0	597	575	557	516	465	426	394	358	329	305
57.5	604	579	560	513	454	409	370	325	290	262
60.0	600	573	552	500	435	382	334	282	239	204
62.5	583	556	532	476	406	346	289	230	180	138
65.0	555	527	501	439	367	299	237	172	115	70
67.5	515	486	458	393	315	245	181	113	57	16
70.0	463	436	405	338	262	190	126	64	20	0
72.5	401	377	342	279	207	139	78	32	5	0
75.0	330	307	277	219	153	94	45	14	1	0
77.5	253	233	210	160	105	59	25	5	0	0
80.0	181	165	146	106	66	33	12	2	0	0
82.5	113	102	87	60	35	17	6	1	0	0
85.0	57	50	42	28	15	7	2	0	0	0
87.5	17	15	12	7	4	2	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

## Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	120	120
2.5	120	120
5.0	125	125
7.5	133	133
10.0	145	145
12.5	160	160
15.0	178	178
17.5	199	198
20.0	222	221
22.5	247	246
25.0	271	270
27.5	295	294
30.0	316	316
32.5	336	335
35.0	351	350
37.5	363	361
40.0	371	369
42.5	373	371
45.0	371	368
47.5	363	359
50.0	347	344
52.5	324	320
55.0	290	286
57.5	244	239
60.0	185	180
62.5	113	113
65.0	43	42

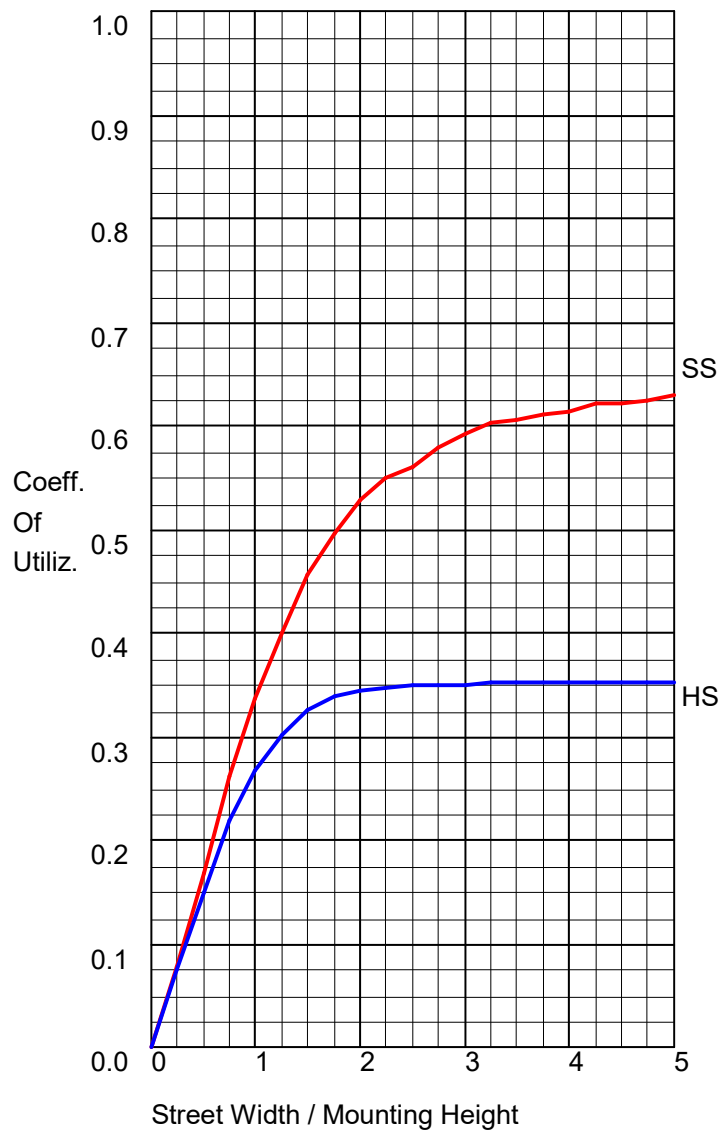
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**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	0	0
<b>70.0</b>	0	0
<b>72.5</b>	0	0
<b>75.0</b>	0	0
<b>77.5</b>	0	0
<b>80.0</b>	0	0
<b>82.5</b>	0	0
<b>85.0</b>	0	0
<b>87.5</b>	0	0
<b>90.0</b>	0	0

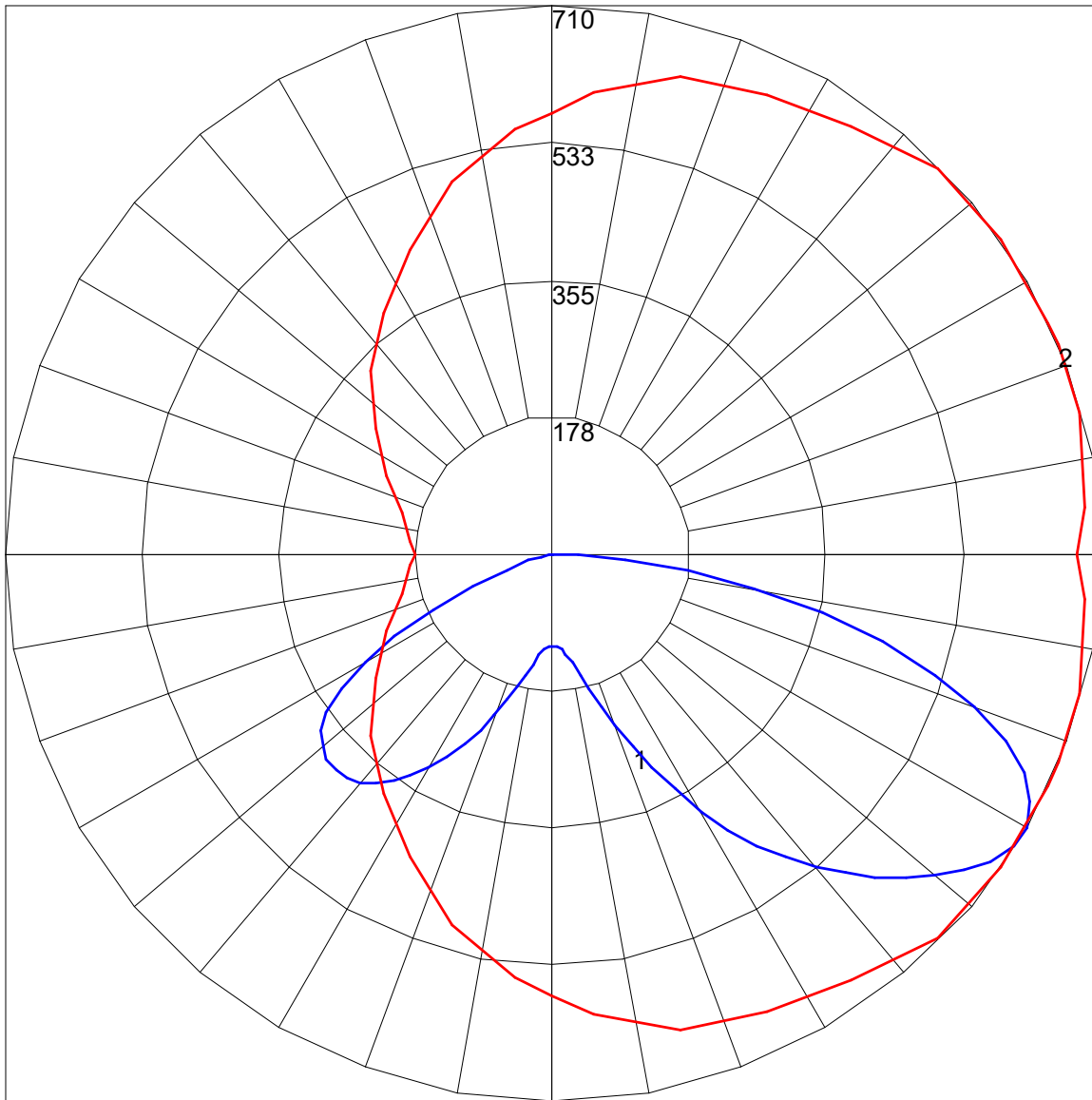
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

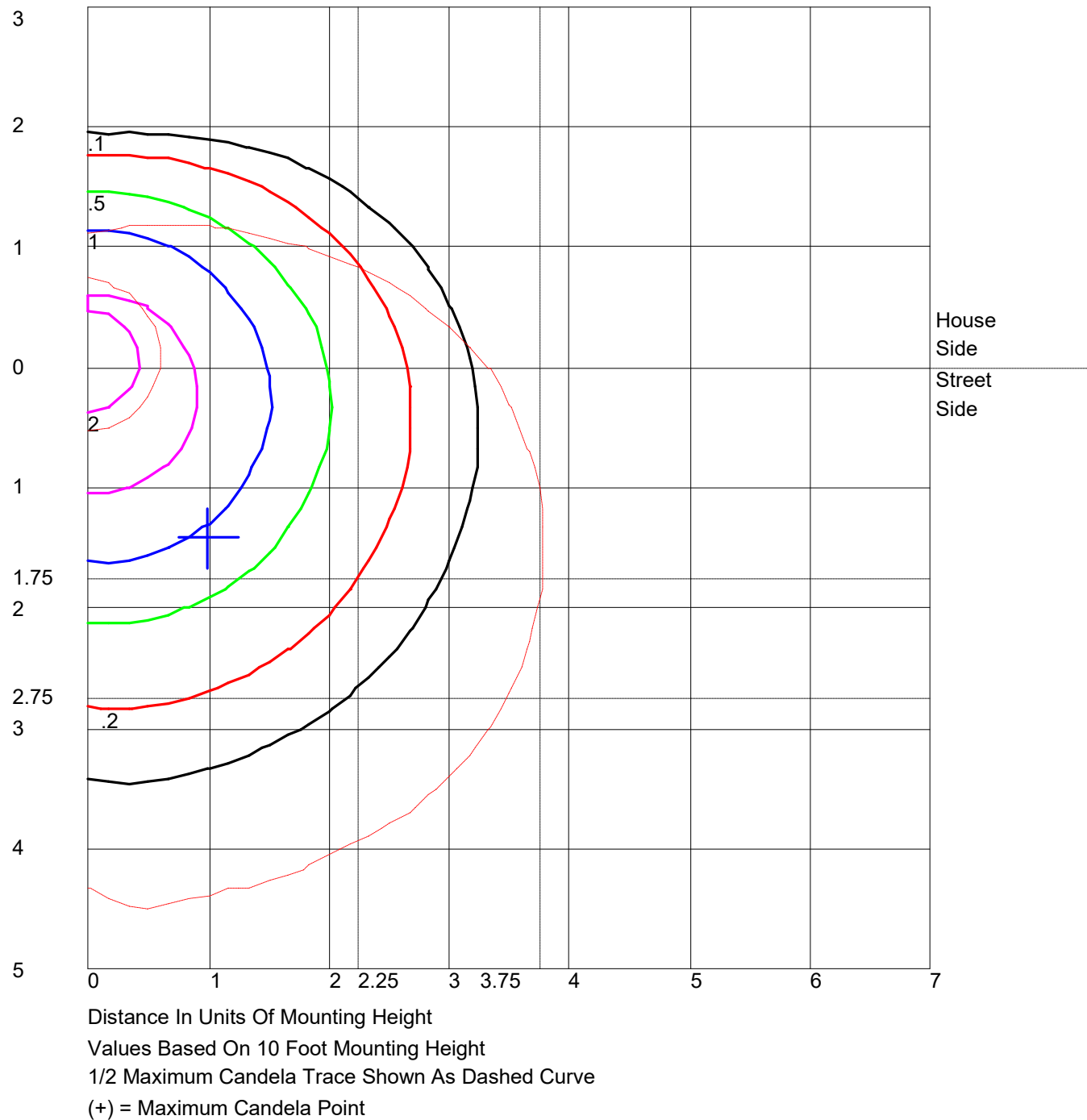
	Lumens	Percent Of Luminaire
Downward Street Side	1343.7	64.7
Downward House Side	733.3	35.3
Downward Total	2077.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2077.0	100.0

POLAR GRAPH



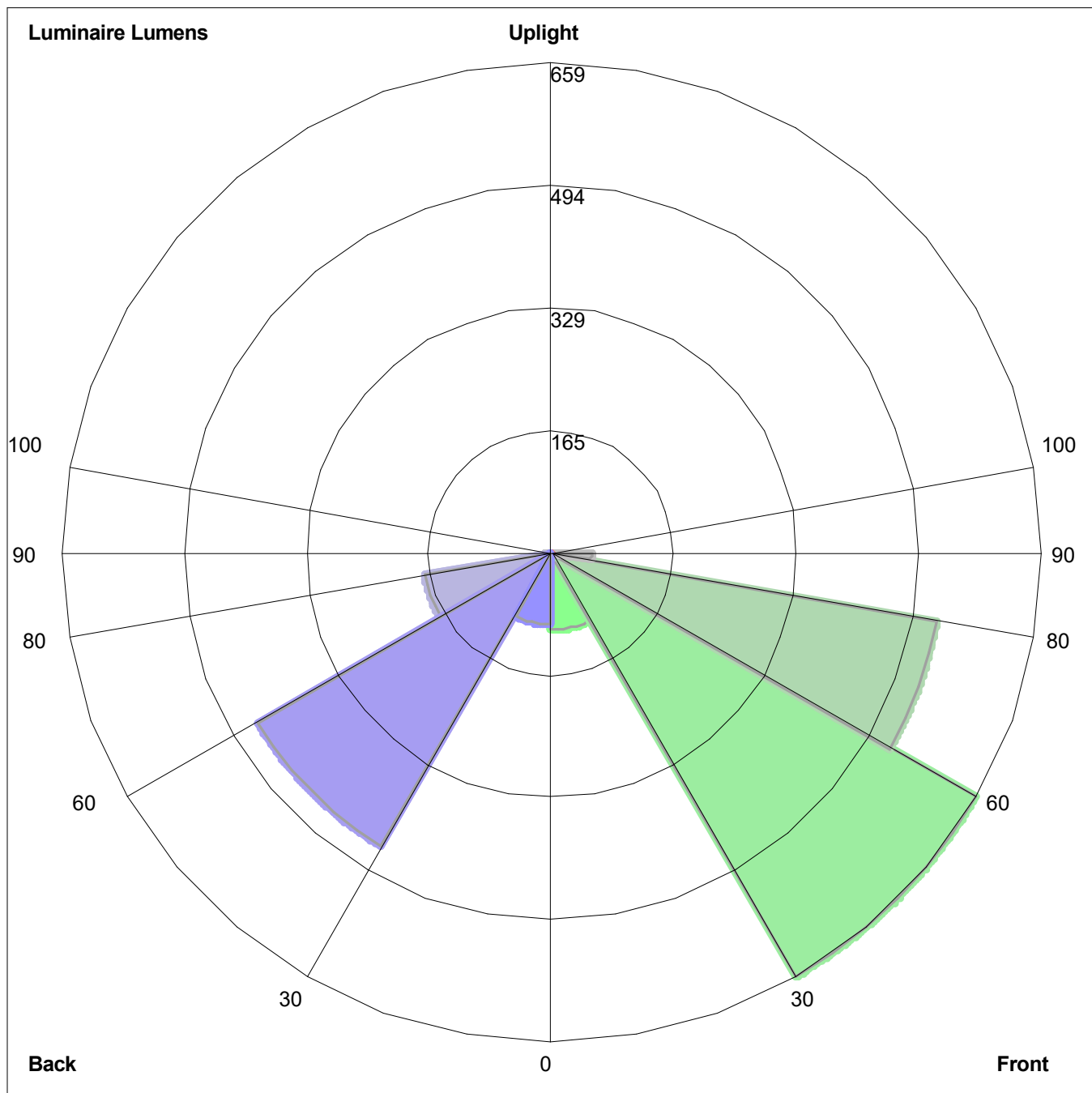
Maximum Candela = 710 Located At Horizontal Angle = 35, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=104.4, Medium=658.8, High=526.5, Very High=53.9  
Back: Low=96.9, Medium=455.8, High=172.8, Very High=7.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1