



## IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-05L-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-05L-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	3465
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	37
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1185
Maximum Candela Angle	25H 60V
Maximum Candela (<90 Degrees Vertical)	1185
Maximum Candela Angle (<90 Degrees Vertical)	25H 60V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	451 (13.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5W-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	174.2	N.A.	5.0
FM - Front-Medium (30-60)	1099.3	N.A.	31.7
FH - Front-High (60-80)	878.5	N.A.	25.3
FVH - Front-Very High (80-90)	90.1	N.A.	2.6
BL - Back-Low (0-30)	161.7	N.A.	4.7
BM - Back-Medium (30-60)	760.4	N.A.	21.9
BH - Back-High (60-80)	288.5	N.A.	8.3
BVH - Back-Very High (80-90)	13.0	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	3465.7	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>	200	200	200	200	200	200	200	200	200	200
<b>2.5</b>	200	200	200	200	200	200	200	201	201	201
<b>5.0</b>	207	207	207	207	207	207	207	208	208	209
<b>7.5</b>	220	220	220	221	220	221	221	221	222	222
<b>10.0</b>	240	241	241	241	242	241	241	241	241	242
<b>12.5</b>	267	268	270	269	270	270	267	267	268	268
<b>15.0</b>	303	305	306	304	305	304	302	301	301	301
<b>17.5</b>	346	349	349	347	348	347	346	344	341	342
<b>20.0</b>	402	399	400	396	397	396	394	391	386	386
<b>22.5</b>	459	457	457	455	454	451	448	446	439	435
<b>25.0</b>	522	520	520	517	516	512	507	503	494	488
<b>27.5</b>	591	592	586	586	581	576	571	563	555	545
<b>30.0</b>	660	661	653	652	648	643	634	624	613	600
<b>32.5</b>	729	731	724	719	714	707	697	684	670	655
<b>35.0</b>	792	795	789	784	782	770	757	741	725	708
<b>37.5</b>	846	850	849	845	845	830	815	796	778	757
<b>40.0</b>	895	898	901	899	899	888	868	850	828	803
<b>42.5</b>	939	946	948	948	948	940	921	900	875	847
<b>45.0</b>	985	989	995	994	996	989	972	947	920	894
<b>47.5</b>	1027	1032	1042	1042	1041	1036	1023	998	967	938
<b>50.0</b>	1066	1074	1087	1088	1085	1080	1073	1042	1011	982
<b>52.5</b>	1101	1110	1128	1129	1127	1122	1116	1081	1049	1023
<b>55.0</b>	1124	1139	1160	1164	1162	1160	1150	1112	1077	1053
<b>57.5</b>	1136	1155	1181	1184	1184	1182	1173	1129	1093	1070
<b>60.0</b>	1132	1154	1181	1184	1185	1184	1176	1129	1092	1068
<b>62.5</b>	1112	1134	1161	1164	1165	1165	1157	1111	1074	1044
<b>65.0</b>	1067	1094	1119	1122	1124	1124	1116	1073	1032	999
<b>67.5</b>	1003	1032	1054	1060	1061	1061	1051	1006	971	933
<b>70.0</b>	918	951	968	974	974	975	961	924	887	847
<b>72.5</b>	815	851	864	863	868	869	856	824	787	740
<b>75.0</b>	696	727	741	739	744	738	732	706	671	622
<b>77.5</b>	566	592	588	600	591	598	593	573	540	493
<b>80.0</b>	430	440	440	451	444	443	444	430	401	358
<b>82.5</b>	279	294	292	303	297	296	290	286	257	224
<b>85.0</b>	153	159	159	160	162	161	157	143	135	115
<b>87.5</b>	51	53	54	53	55	54	50	46	39	36
<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>	200	200	200	200	200	200	200	200	200	200
<b>2.5</b>	201	201	201	201	201	201	200	200	200	200
<b>5.0</b>	209	209	209	209	209	209	209	209	209	209
<b>7.5</b>	223	223	222	223	223	223	223	223	223	223
<b>10.0</b>	243	243	242	242	242	242	242	243	242	242
<b>12.5</b>	269	269	269	268	267	266	268	268	269	267
<b>15.0</b>	301	301	301	299	298	297	299	298	299	299
<b>17.5</b>	339	338	338	335	334	334	334	332	333	333
<b>20.0</b>	382	380	379	376	373	373	372	370	370	371
<b>22.5</b>	429	427	425	423	418	414	413	411	410	411
<b>25.0</b>	481	478	474	469	465	461	456	453	452	452
<b>27.5</b>	533	529	527	519	511	505	499	495	492	490

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## CANDELA TABULATION - (Cont.)

30.0	588	580	576	565	555	547	540	534	531	529
32.5	640	633	625	610	596	586	577	571	566	562
35.0	689	680	670	652	634	620	610	602	596	590
37.5	735	725	713	690	668	650	638	628	619	610
40.0	780	765	751	723	697	676	659	646	634	623
42.5	821	803	789	752	722	697	675	658	642	629
45.0	861	842	823	782	743	713	687	664	644	628
47.5	898	877	854	810	762	724	694	662	637	619
50.0	934	910	883	835	775	729	693	651	620	598
52.5	968	939	910	853	781	727	681	631	591	564
55.0	996	959	930	861	776	711	657	598	548	509
57.5	1008	966	935	856	758	682	617	541	484	437
60.0	1001	956	921	834	725	638	557	471	398	340
62.5	973	927	887	794	677	577	483	385	300	231
65.0	926	879	835	732	613	499	395	287	193	118
67.5	859	811	765	656	526	408	301	188	96	27
70.0	772	727	676	563	437	317	211	107	34	0
72.5	670	629	570	466	345	231	130	54	8	0
75.0	551	511	463	366	256	156	76	24	1	0
77.5	423	389	351	267	176	98	42	9	0	0
80.0	302	275	244	177	110	56	21	3	0	0
82.5	189	169	145	100	59	28	9	1	0	0
85.0	94	83	69	46	25	12	3	0	0	0
87.5	29	25	20	12	6	3	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	200	200
2.5	200	200
5.0	209	209
7.5	223	223
10.0	242	242
12.5	266	267
15.0	297	297
17.5	333	331
20.0	370	368
22.5	411	411
25.0	452	451
27.5	491	491
30.0	528	527
32.5	560	558
35.0	586	583
37.5	606	603
40.0	618	616
42.5	623	620
45.0	619	615
47.5	605	599
50.0	579	574
52.5	541	535
55.0	484	477
57.5	406	399
60.0	309	301
62.5	189	189
65.0	71	70

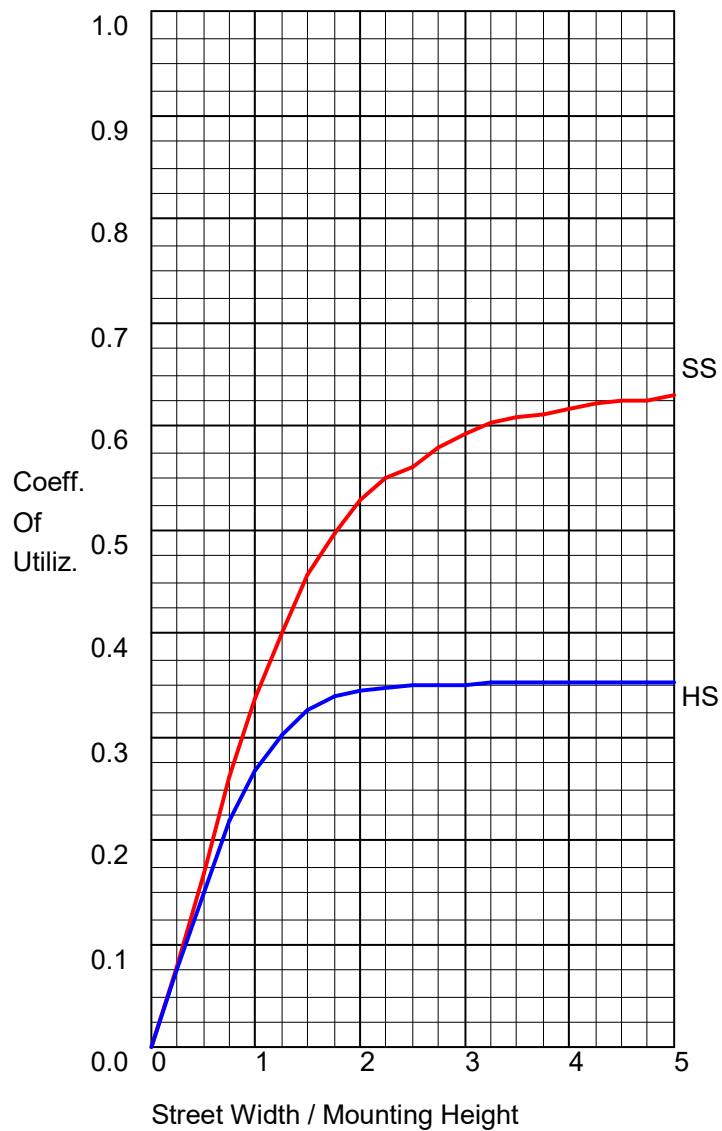
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**CANDELA TABULATION - (Cont.)**

<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

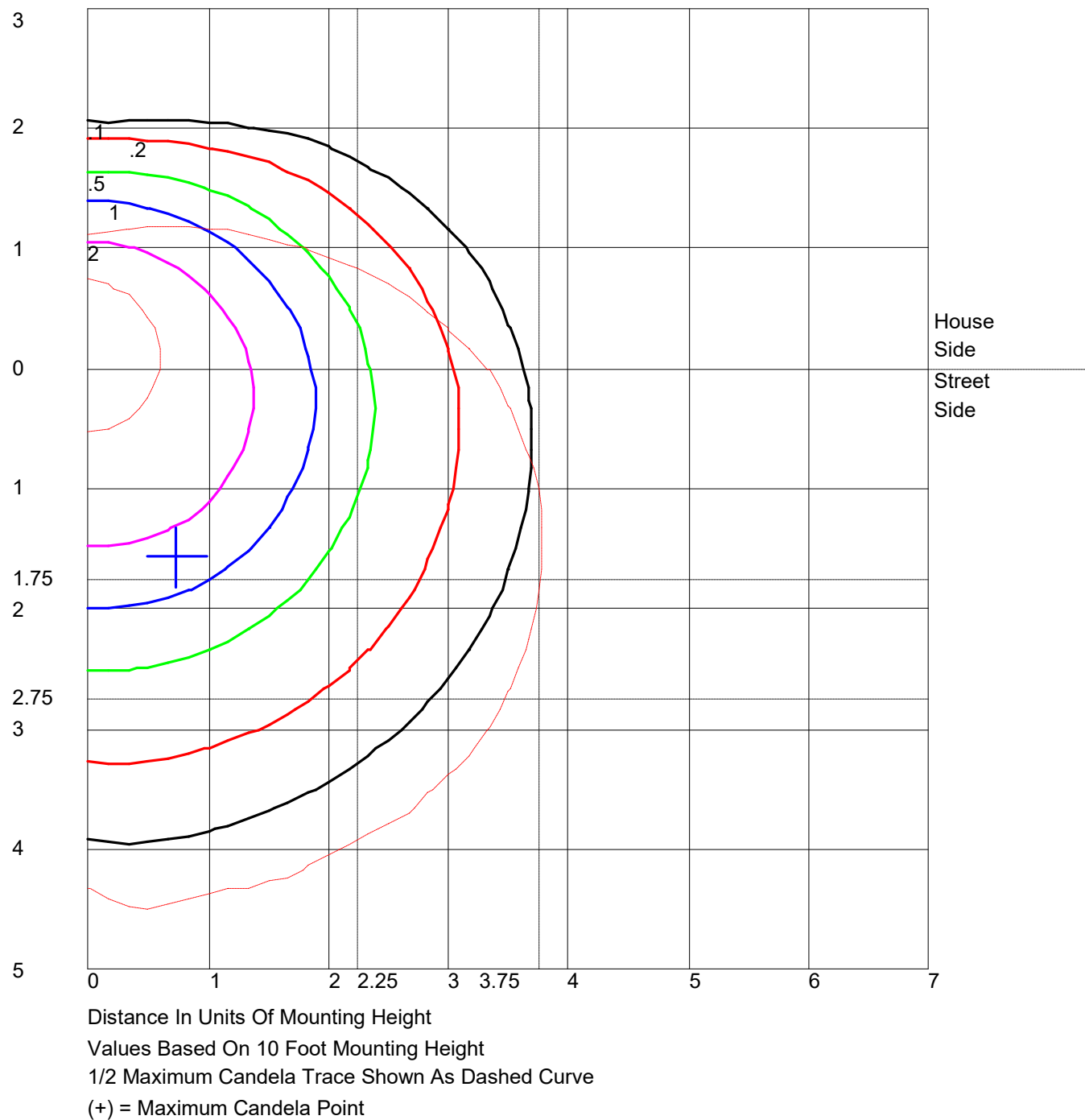
	Lumens	Percent Of Luminaire
Downward Street Side	2242.0	64.7
Downward House Side	1223.5	35.3
Downward Total	3465.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3465.5	100.0

POLAR GRAPH



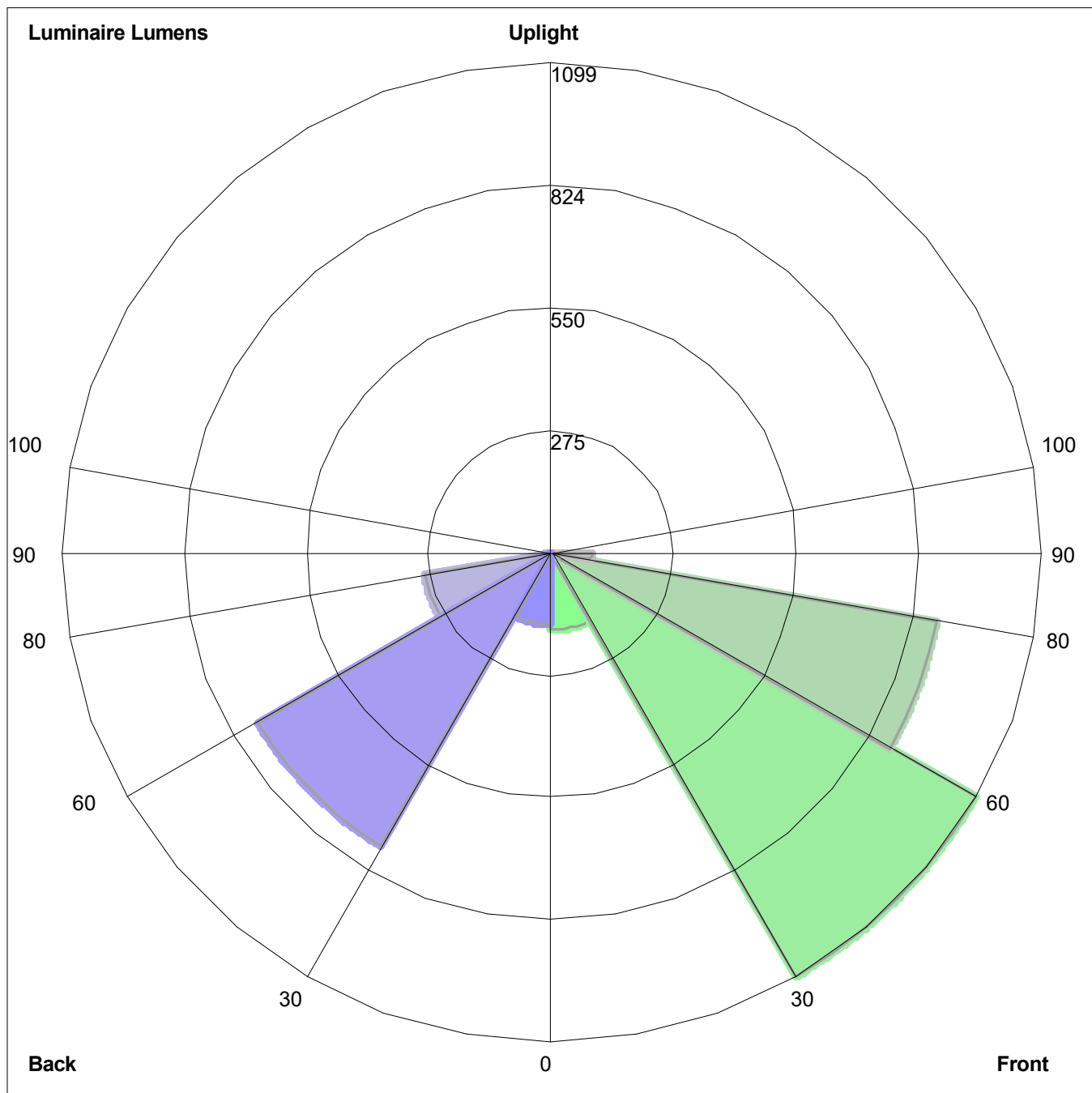
Maximum Candela = 1185 Located At Horizontal Angle = 25, Vertical Angle = 60  
# 1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=174.2, Medium=1099.3, High=878.5, Very High=90.1  
Back: Low=161.7, Medium=760.4, High=288.5, Very High=13.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1