



## IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-08L-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-08L-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	5208
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1686
Maximum Candela Angle	17.5H 47.5V
Maximum Candela (<90 Degrees Vertical)	1686
Maximum Candela Angle (<90 Degrees Vertical)	17.5H 47.5V
Maximum Candela At 90 Degrees Vertical	26 (0.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	484 (9.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5N-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	466.6	N.A.	9.0
FM - Front-Medium (30-60)	1757.7	N.A.	33.8
FH - Front-High (60-80)	990.9	N.A.	19.0
FVH - Front-Very High (80-90)	101.2	N.A.	1.9
BL - Back-Low (0-30)	396.4	N.A.	7.6
BM - Back-Medium (30-60)	1149.0	N.A.	22.1
BH - Back-High (60-80)	314.6	N.A.	6.0
BVH - Back-Very High (80-90)	15.3	N.A.	0.3
UL - Uplight-Low (90-100)	8.7	N.A.	0.2
UH - Uplight-High (100-180)	7.6	N.A.	0.1
Total	5208.0	N.A.	100.0
BUG Rating	B2-U1-G2		

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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>17.5</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>	815	815	815	815	815	815	815	815	815	815
<b>2.5</b>	824	824	824	824	823	824	823	823	822	821
<b>5.0</b>	846	846	844	844	843	843	841	839	837	833
<b>7.5</b>	873	875	872	874	872	869	865	861	857	851
<b>10.0</b>	909	910	908	909	906	901	896	891	883	877
<b>12.5</b>	952	953	952	951	948	942	935	927	917	908
<b>15.0</b>	1002	1004	1005	1002	1000	991	981	971	959	946
<b>17.5</b>	1062	1066	1064	1060	1058	1048	1035	1022	1008	991
<b>20.0</b>	1136	1132	1129	1125	1123	1111	1095	1079	1062	1042
<b>22.5</b>	1209	1206	1202	1202	1194	1180	1164	1145	1124	1101
<b>25.0</b>	1288	1284	1280	1279	1269	1253	1235	1212	1187	1160
<b>27.5</b>	1370	1367	1360	1358	1346	1328	1305	1283	1252	1219
<b>30.0</b>	1451	1447	1437	1435	1421	1399	1377	1349	1313	1277
<b>32.5</b>	1525	1521	1509	1505	1490	1466	1442	1411	1374	1331
<b>35.0</b>	1583	1581	1573	1569	1553	1528	1501	1465	1425	1379
<b>37.5</b>	1623	1623	1620	1618	1603	1581	1549	1513	1470	1419
<b>40.0</b>	1653	1654	1652	1652	1641	1621	1589	1551	1506	1452
<b>42.5</b>	1673	1674	1673	1674	1667	1648	1617	1579	1532	1474
<b>45.0</b>	1684	1685	1686	1686	1680	1663	1635	1596	1547	1486
<b>47.5</b>	1682	1684	1686	1686	1679	1664	1639	1601	1551	1488
<b>50.0</b>	1668	1670	1671	1671	1665	1652	1630	1593	1540	1476
<b>52.5</b>	1642	1644	1644	1645	1639	1626	1605	1569	1517	1451
<b>55.0</b>	1599	1603	1605	1606	1601	1589	1568	1530	1480	1414
<b>57.5</b>	1541	1549	1553	1553	1549	1538	1514	1479	1429	1365
<b>60.0</b>	1470	1482	1486	1483	1482	1470	1448	1413	1361	1301
<b>62.5</b>	1391	1395	1400	1394	1396	1386	1368	1333	1284	1219
<b>65.0</b>	1298	1300	1299	1298	1297	1293	1275	1241	1193	1127
<b>67.5</b>	1191	1187	1193	1195	1191	1182	1174	1138	1090	1027
<b>70.0</b>	1053	1067	1074	1078	1069	1063	1053	1026	976	911
<b>72.5</b>	914	940	941	940	934	931	925	897	849	791
<b>75.0</b>	766	802	797	796	788	786	783	757	721	662
<b>77.5</b>	618	651	641	638	636	635	623	613	577	521
<b>80.0</b>	468	484	480	470	482	476	468	462	434	384
<b>82.5</b>	318	325	316	315	317	325	317	312	293	254
<b>85.0</b>	177	177	167	174	175	177	179	175	162	139
<b>87.5</b>	58	52	53	53	56	58	60	64	55	48
<b>90.0</b>	26	26	25	24	24	23	21	17	13	11
<b>92.5</b>	26	26	25	25	24	23	21	15	9	5
<b>95.0</b>	24	24	24	23	23	22	19	13	8	5
<b>97.5</b>	21	21	21	21	21	19	17	11	7	3
<b>100.0</b>	18	18	17	17	17	16	14	9	5	2
<b>102.5</b>	13	13	13	13	12	12	11	8	3	1
<b>105.0</b>	9	9	9	9	9	9	8	5	2	1
<b>107.5</b>	4	4	5	5	5	6	5	3	1	1
<b>110.0</b>	0	0	1	1	3	3	3	2	1	1
<b>112.5</b>	0	0	0	0	1	1	1	1	1	1
<b>115.0</b>	0	0	0	0	1	1	1	1	1	1
<b>117.5</b>	0	0	0	0	1	1	1	1	1	1
<b>120.0</b>	0	0	0	0	1	1	1	1	1	1
<b>122.5</b>	0	0	0	0	1	1	1	1	1	1
<b>125.0</b>	0	0	1	1	1	1	1	1	1	1
<b>127.5</b>	0	1	1	1	1	1	1	1	1	1
<b>130.0</b>	1	1	1	1	1	1	1	1	1	1

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## CANDELA TABULATION - (Cont.)

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

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	815	815	815	815	815	815	815	815	815	815
2.5	821	819	819	817	815	812	810	809	808	807
5.0	829	827	825	821	817	812	808	805	802	802
7.5	845	842	839	832	825	819	813	808	804	802
10.0	867	863	859	849	840	831	822	817	812	808
12.5	897	891	885	873	860	849	840	831	825	821
15.0	934	926	917	901	887	873	861	852	843	838
17.5	976	967	955	937	919	903	890	878	868	860
20.0	1023	1012	1001	977	956	936	921	907	895	887
22.5	1076	1063	1049	1023	996	975	955	938	926	916
25.0	1130	1115	1100	1069	1039	1014	991	972	956	946
27.5	1186	1168	1150	1116	1083	1052	1026	1003	987	974
30.0	1238	1219	1199	1159	1123	1089	1057	1031	1012	998
32.5	1288	1265	1242	1199	1157	1118	1082	1053	1030	1015
35.0	1331	1306	1280	1232	1183	1139	1099	1066	1041	1023
37.5	1366	1338	1311	1255	1200	1150	1107	1069	1040	1019
40.0	1393	1362	1331	1270	1209	1153	1104	1061	1028	1004
42.5	1412	1378	1344	1275	1207	1144	1089	1039	1002	974
45.0	1420	1383	1346	1270	1196	1125	1063	1005	960	932
47.5	1415	1377	1337	1255	1172	1094	1021	958	909	873
50.0	1399	1360	1315	1228	1137	1051	969	897	840	801
52.5	1371	1329	1281	1186	1089	992	903	822	758	713
55.0	1332	1287	1236	1134	1024	923	824	736	663	612
57.5	1280	1232	1180	1067	953	838	735	638	557	499
60.0	1215	1162	1106	991	870	746	636	531	443	377
62.5	1131	1077	1024	905	777	648	523	411	317	246
65.0	1040	981	933	810	677	543	414	293	197	130
67.5	934	882	832	708	573	437	304	192	101	40
70.0	824	776	717	603	468	335	211	109	37	3
72.5	706	661	604	490	368	239	135	54	10	0
75.0	581	543	488	383	266	160	79	24	3	0
77.5	457	425	368	276	185	102	40	9	1	0

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CANDELA TABULATION - (Cont.)

80.0	330	305	264	189	119	59	20	4	0	0
82.5	217	195	170	116	68	30	9	1	0	0
85.0	116	104	92	60	33	13	3	1	0	0
87.5	41	36	29	21	10	4	1	0	0	0
90.0	8	5	4	3	1	1	1	0	0	0
92.5	1	1	1	1	1	1	1	1	0	0
95.0	1	1	1	1	1	1	1	1	1	0
97.5	1	1	1	1	1	1	1	1	1	0
100.0	1	1	1	1	1	1	1	1	1	1
102.5	1	1	1	1	1	1	1	1	1	1
105.0	1	1	1	1	1	1	1	1	1	1
107.5	1	1	1	1	1	1	1	1	1	1
110.0	1	1	1	1	1	1	1	1	1	1
112.5	1	1	1	1	1	1	1	1	1	1
115.0	1	1	1	1	1	1	1	1	1	1
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	1	1	1
132.5	1	1	1	1	1	1	1	1	1	1
135.0	1	1	1	1	1	1	1	1	1	1
137.5	1	1	1	1	1	1	1	1	1	1
140.0	1	1	1	1	1	1	1	1	1	1
142.5	1	1	1	1	1	1	1	1	1	1
145.0	1	1	1	1	1	1	1	1	1	1
147.5	1	1	1	1	1	1	1	1	1	1
150.0	1	1	1	1	1	1	1	1	1	1
152.5	1	1	1	1	1	1	1	1	1	1
155.0	1	1	1	1	1	1	1	1	1	1
157.5	1	1	1	1	1	1	1	1	1	0
160.0	1	1	1	1	1	1	1	1	1	0
162.5	1	1	1	1	1	1	1	1	1	0
165.0	1	1	1	1	1	1	1	1	1	0
167.5	1	1	1	1	1	1	1	1	0	0
170.0	1	1	1	1	1	1	1	1	0	0
172.5	1	1	1	1	1	1	1	0	0	0
175.0	1	1	1	1	1	1	1	0	0	0
177.5	1	1	1	1	1	1	1	0	0	0
180.0	1	1	1	1	1	1	1	1	1	1

Vert. Horizontal Angles  
Angles

	<u>175.0</u>	<u>180.0</u>
0.0	815	815
2.5	806	806
5.0	801	801
7.5	801	801
10.0	806	806
12.5	818	818
15.0	835	835
17.5	857	857
20.0	883	881
22.5	912	910
25.0	940	938

**IES ROAD REPORT****PHOTOMETRIC FILENAME : EXN-EGLED-08L-T5N-30-70CRI-HSS.IES****CANDELA TABULATION - (Cont.)**

27.5	968	969
30.0	991	991
32.5	1007	1007
35.0	1014	1012
37.5	1009	1007
40.0	991	990
42.5	961	959
45.0	916	915
47.5	858	855
50.0	780	781
52.5	689	682
55.0	585	577
57.5	468	459
60.0	336	332
62.5	209	204
65.0	89	85
67.5	5	2
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	1	1
102.5	1	1
105.0	1	1
107.5	1	1
110.0	1	1
112.5	1	1
115.0	1	1
117.5	1	1
120.0	1	1
122.5	1	1
125.0	1	1
127.5	1	1
130.0	1	1
132.5	1	1
135.0	1	1
137.5	1	1
140.0	1	1
142.5	1	1
145.0	1	1
147.5	1	1
150.0	1	1
152.5	1	1
155.0	1	1
157.5	0	0
160.0	0	0
162.5	0	0
165.0	0	0

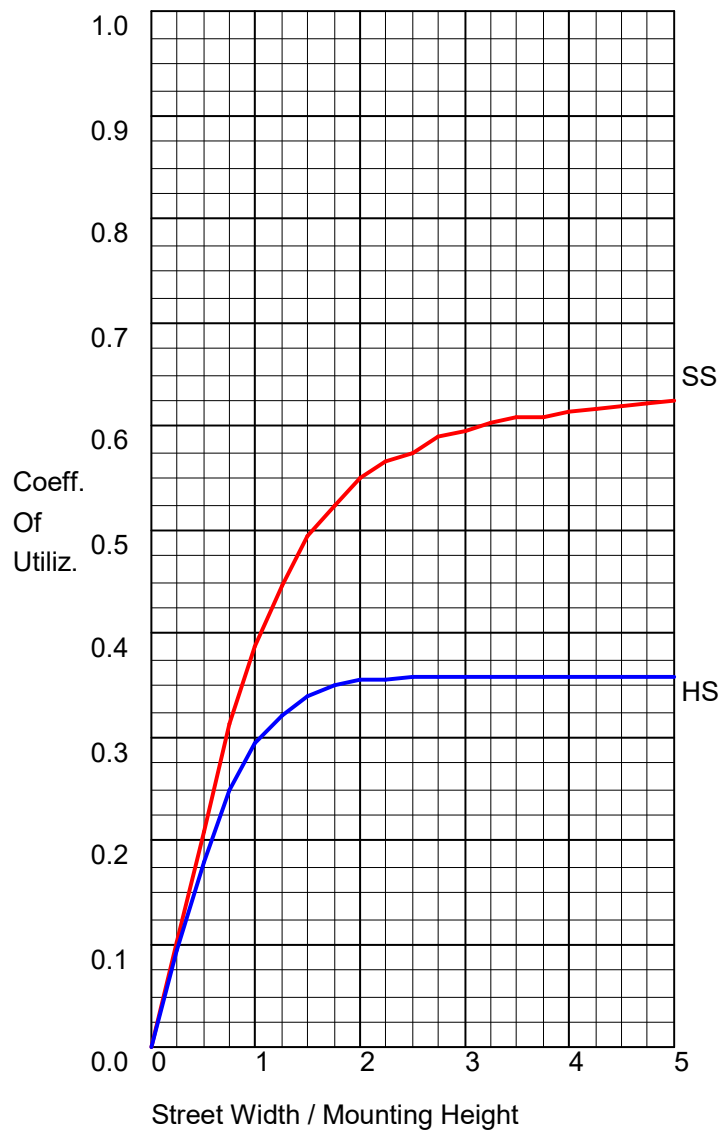
**IES ROAD REPORT**

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**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	0	0
<b>170.0</b>	0	0
<b>172.5</b>	0	0
<b>175.0</b>	0	0
<b>177.5</b>	0	0
<b>180.0</b>	1	1

### COEFFICIENTS OF UTILIZATION

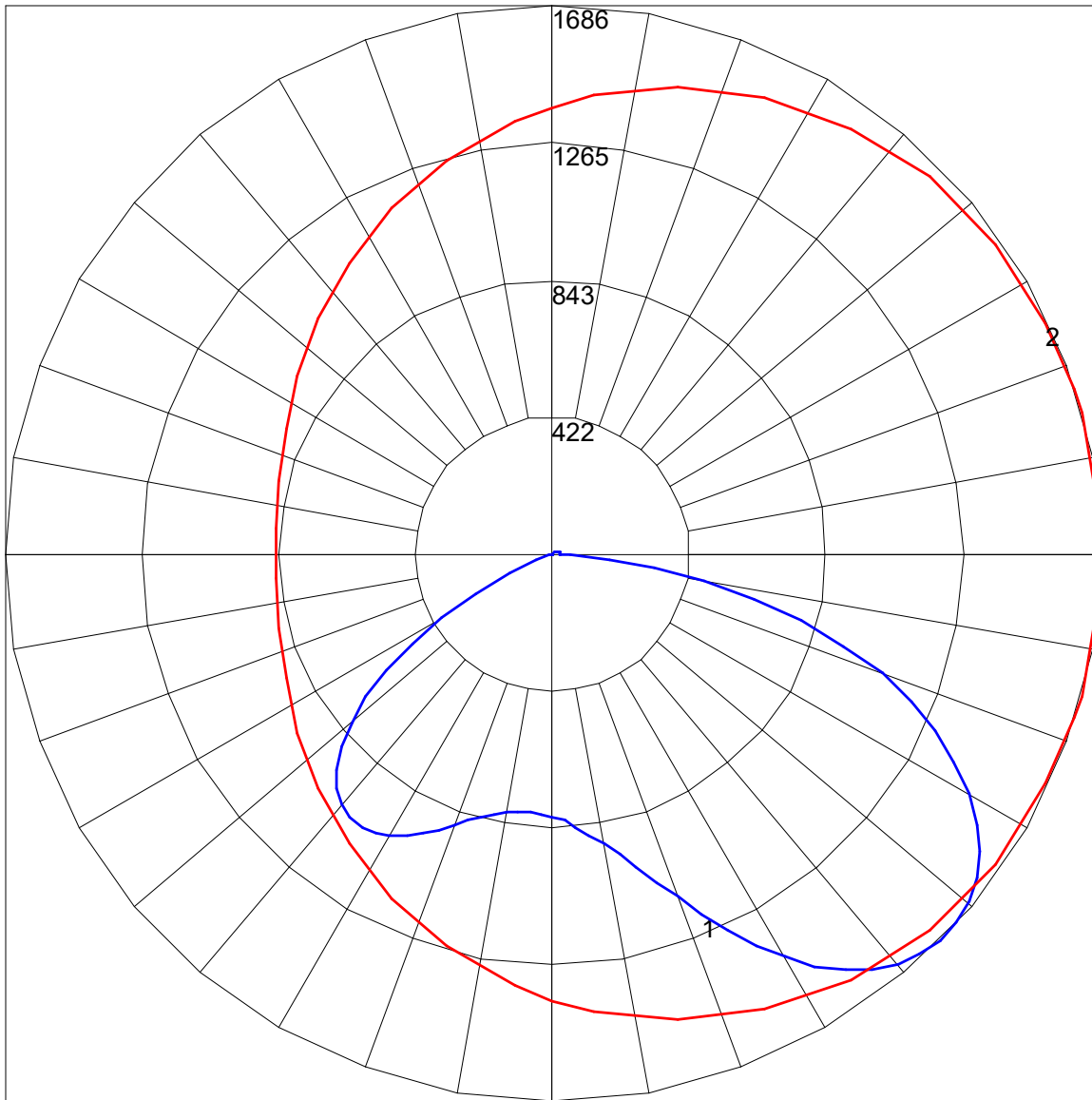


### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	3316.4	63.7
Downward House Side	1875.2	36.0
Downward Total	5191.6	99.7
Upward Street Side	13.3	0.3
Upward House Side	3.0	0.1
Upward Total	16.3	0.3
Total Flux	5207.9	100.0

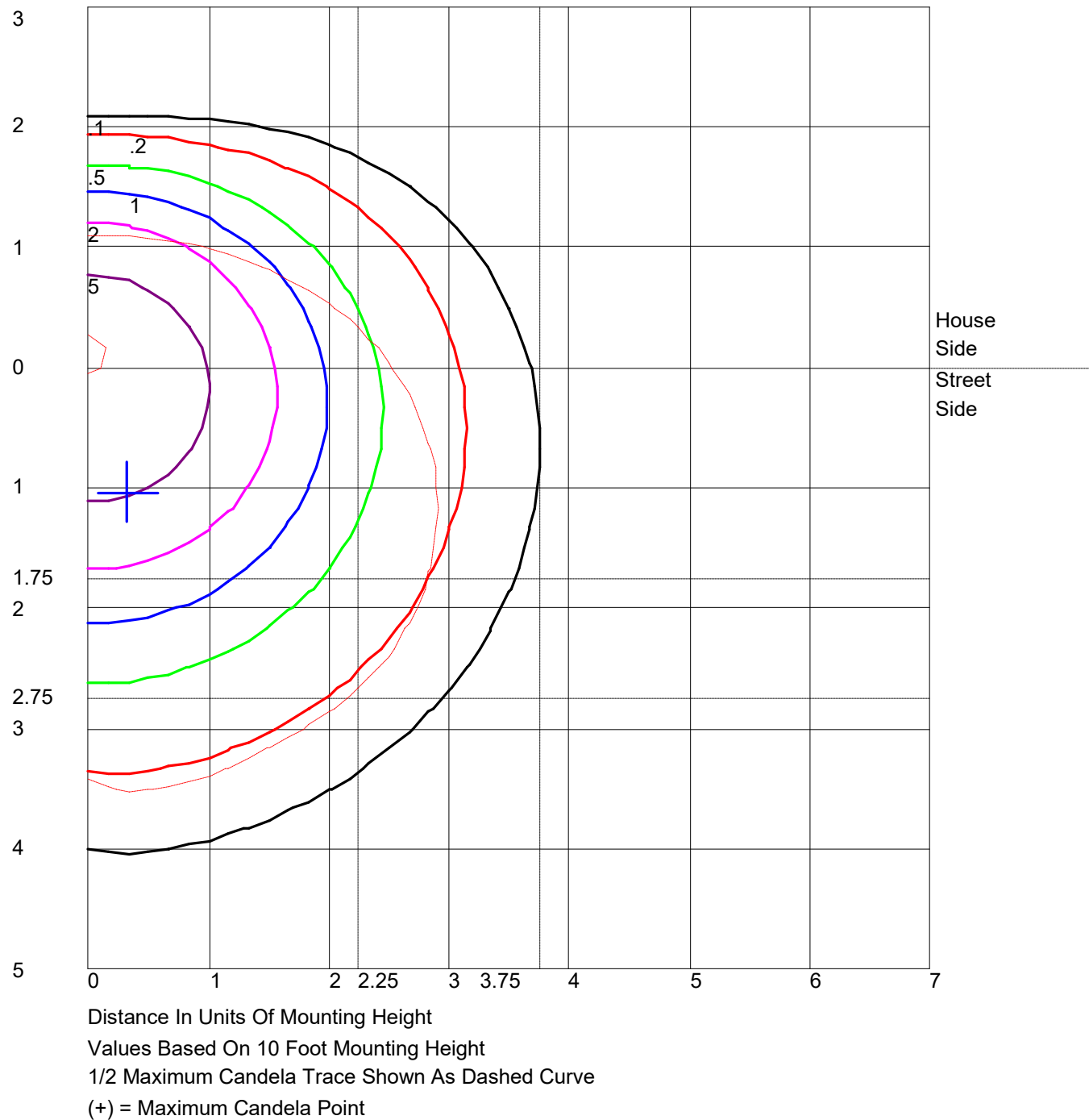


POLAR GRAPH

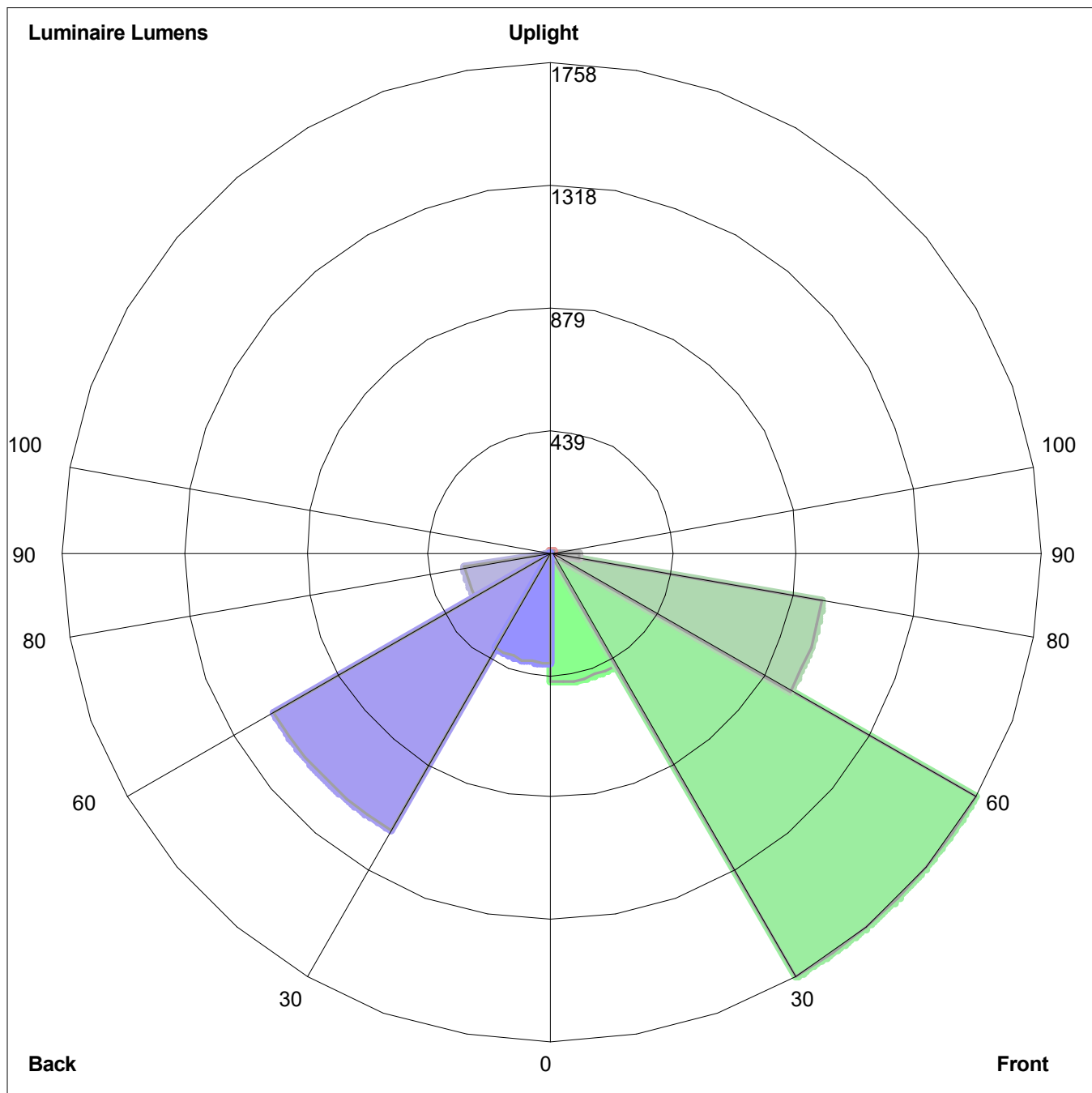


Maximum Candela = 1686 Located At Horizontal Angle = 17.5, Vertical Angle = 47.5  
# 1 - Vertical Plane Through Horizontal Angles (17.5 - 197.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=466.6, Medium=1757.7, High=990.9, Very High=101.2  
Back: Low=396.4, Medium= 1149.0, High=314.6, Very High=15.3  
Uplight: Low=8.7, High=7.6

BUG Rating : B2-U1-G2