



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-06L-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

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] EXN-EGLED-06L-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	4221
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	44
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1366
Maximum Candela Angle	17.5H 47.5V
Maximum Candela (<90 Degrees Vertical)	1366
Maximum Candela Angle (<90 Degrees Vertical)	17.5H 47.5V
Maximum Candela At 90 Degrees Vertical	21 (0.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	392 (9.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5N-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	378.1	N.A.	9.0
FM - Front-Medium (30-60)	1424.3	N.A.	33.7
FH - Front-High (60-80)	803.0	N.A.	19.0
FVH - Front-Very High (80-90)	81.9	N.A.	1.9
BL - Back-Low (0-30)	321.2	N.A.	7.6
BM - Back-Medium (30-60)	931.1	N.A.	22.1
BH - Back-High (60-80)	255.0	N.A.	6.0
BVH - Back-Very High (80-90)	12.4	N.A.	0.3
UL - Uplight-Low (90-100)	7.0	N.A.	0.2
UH - Uplight-High (100-180)	7.1	N.A.	0.2
Total	4221.1	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	660	660	660	660	660	660	660	660	660	660
2.5	668	669	668	668	668	668	668	668	667	666
5.0	686	686	685	685	683	683	682	680	678	675
7.5	708	708	707	708	707	704	701	698	694	689
10.0	736	737	736	736	734	730	727	722	716	710
12.5	771	772	771	770	767	764	758	751	744	736
15.0	812	814	814	812	810	802	795	786	778	766
17.5	860	863	861	859	858	850	839	828	817	803
20.0	920	917	915	912	910	900	887	875	860	844
22.5	980	977	974	974	968	956	943	928	911	892
25.0	1044	1041	1037	1036	1029	1015	1000	982	962	940
27.5	1111	1107	1102	1101	1090	1075	1057	1040	1014	988
30.0	1176	1173	1164	1162	1151	1134	1116	1093	1065	1035
32.5	1236	1233	1223	1219	1208	1188	1168	1143	1114	1078
35.0	1283	1282	1274	1271	1258	1237	1216	1188	1156	1117
37.5	1315	1314	1312	1312	1299	1281	1255	1226	1191	1149
40.0	1340	1340	1338	1338	1330	1313	1288	1257	1220	1177
42.5	1356	1356	1356	1356	1350	1335	1311	1280	1241	1195
45.0	1364	1365	1366	1366	1361	1348	1325	1293	1254	1205
47.5	1363	1365	1366	1366	1361	1349	1329	1297	1256	1206
50.0	1351	1353	1354	1354	1349	1338	1320	1291	1249	1197
52.5	1331	1331	1332	1333	1328	1317	1301	1271	1229	1176
55.0	1296	1299	1301	1301	1297	1287	1271	1239	1199	1146
57.5	1249	1255	1258	1258	1255	1246	1227	1199	1158	1105
60.0	1192	1200	1204	1202	1200	1192	1174	1145	1104	1054
62.5	1127	1130	1134	1130	1131	1123	1108	1081	1040	988
65.0	1052	1053	1053	1052	1051	1048	1034	1006	967	914
67.5	965	962	967	968	965	958	951	922	883	832
70.0	853	865	870	874	866	861	853	831	791	738
72.5	740	763	763	762	757	754	749	727	688	641
75.0	621	651	646	645	639	637	635	613	584	537
77.5	500	527	519	517	516	515	505	497	467	423
80.0	379	392	388	381	391	386	379	374	352	311
82.5	257	263	255	255	257	263	257	254	237	205
85.0	142	142	135	141	142	142	144	142	131	113
87.5	47	42	43	44	46	47	48	51	45	39
90.0	21	21	20	20	19	19	16	13	10	9
92.5	21	21	20	20	20	19	16	12	8	4
95.0	19	20	19	19	18	18	15	11	7	4
97.5	17	17	17	16	16	15	13	9	5	3
100.0	14	14	14	14	13	13	11	8	4	2
102.5	11	11	10	10	10	10	9	6	3	1
105.0	8	7	7	7	7	7	7	4	2	1
107.5	3	3	4	4	4	5	4	3	1	1
110.0	0	0	1	1	2	2	2	2	1	1
112.5	0	0	0	0	1	1	1	1	1	1
115.0	0	0	0	0	1	1	1	1	1	1
117.5	0	0	0	0	1	1	1	1	1	1
120.0	0	0	0	0	1	1	1	1	1	1
122.5	0	0	0	0	1	1	1	1	1	1
125.0	0	0	1	1	1	1	1	1	1	1
127.5	0	1	1	1	1	1	1	1	1	1
130.0	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	660	660	660	660	660	660	660	660	660	660
2.5	665	664	663	662	660	658	656	655	654	654
5.0	671	670	669	665	662	658	655	652	651	650
7.5	685	682	679	674	669	663	659	654	651	651
10.0	703	699	695	688	680	673	667	662	657	655
12.5	727	722	717	707	697	689	680	673	669	665
15.0	757	750	744	730	719	708	698	690	683	679
17.5	791	783	774	759	745	731	721	711	704	697
20.0	829	821	811	792	775	759	746	735	725	719
22.5	872	860	850	829	807	790	774	761	750	743
25.0	916	903	891	866	841	821	803	787	775	766
27.5	961	947	933	904	878	853	831	813	800	789
30.0	1004	988	972	939	911	882	857	836	821	809
32.5	1044	1026	1007	972	937	906	877	853	835	822
35.0	1079	1058	1037	998	959	923	891	864	843	829
37.5	1106	1084	1062	1017	972	933	897	866	842	826
40.0	1129	1104	1079	1029	979	934	894	859	833	814
42.5	1144	1117	1089	1033	978	928	882	841	812	790
45.0	1150	1121	1090	1029	969	912	860	815	779	755
47.5	1147	1116	1084	1017	950	886	827	777	736	707
50.0	1134	1102	1066	995	921	852	784	727	681	649
52.5	1111	1077	1038	961	882	804	731	666	613	577
55.0	1080	1043	1002	919	830	747	669	596	538	496
57.5	1037	998	956	865	772	679	595	518	452	405
60.0	984	942	897	803	705	605	516	430	358	306
62.5	916	873	830	733	630	525	425	333	257	199
65.0	842	795	756	656	549	440	335	237	160	105
67.5	757	715	673	575	464	354	246	156	82	32
70.0	669	629	581	489	380	272	171	88	30	2
72.5	572	536	489	397	298	194	109	44	9	0
75.0	471	440	395	311	216	130	64	20	2	0
77.5	370	344	298	224	150	83	32	8	1	0

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CANDELA TABULATION - (Cont.)

80.0	267	247	214	153	96	47	16	3	0	0
82.5	177	158	138	94	55	25	7	1	0	0
85.0	93	85	74	48	27	10	3	1	0	0
87.5	33	29	24	17	9	3	1	0	0	0
90.0	6	4	3	2	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	660	660
2.5	653	653
5.0	649	649
7.5	649	649
10.0	653	653
12.5	663	663
15.0	676	676
17.5	694	694
20.0	715	714
22.5	739	737
25.0	762	761

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5N-30-70CRI-HSS.IES****CANDELA TABULATION - (Cont.)**

27.5	784	784
30.0	803	803
32.5	816	816
35.0	821	821
37.5	817	816
40.0	803	802
42.5	779	778
45.0	743	741
47.5	695	693
50.0	632	632
52.5	558	553
55.0	474	467
57.5	380	372
60.0	273	270
62.5	169	165
65.0	72	68
67.5	4	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

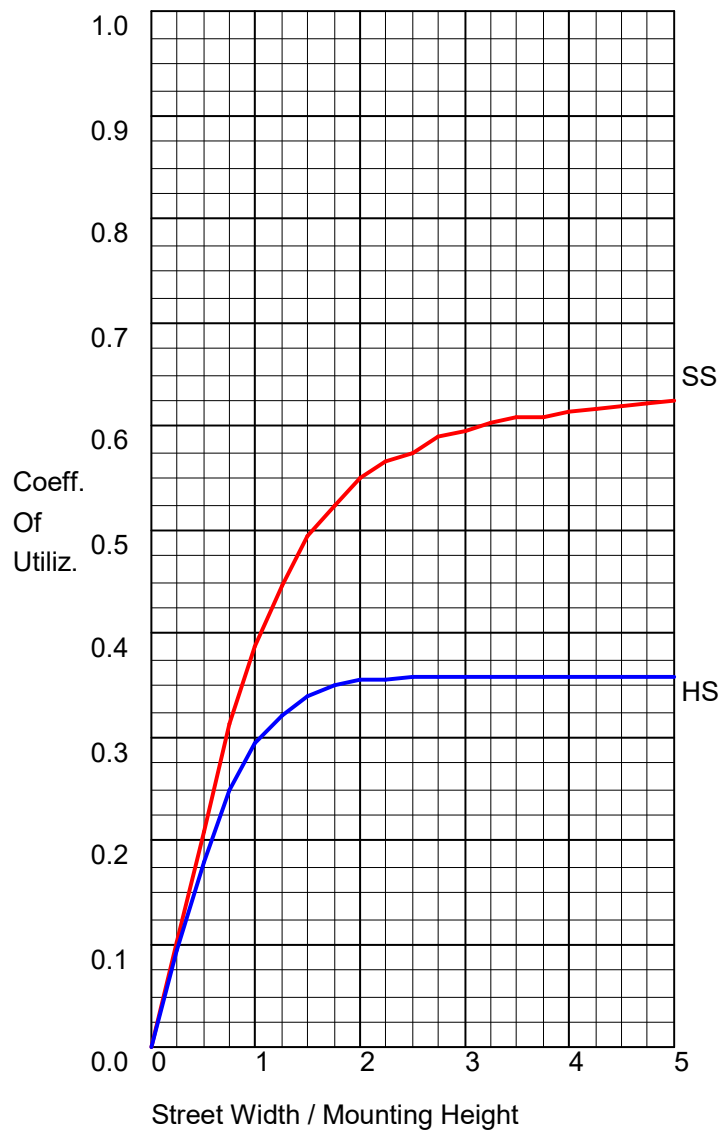
IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-06L-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	1	1

COEFFICIENTS OF UTILIZATION



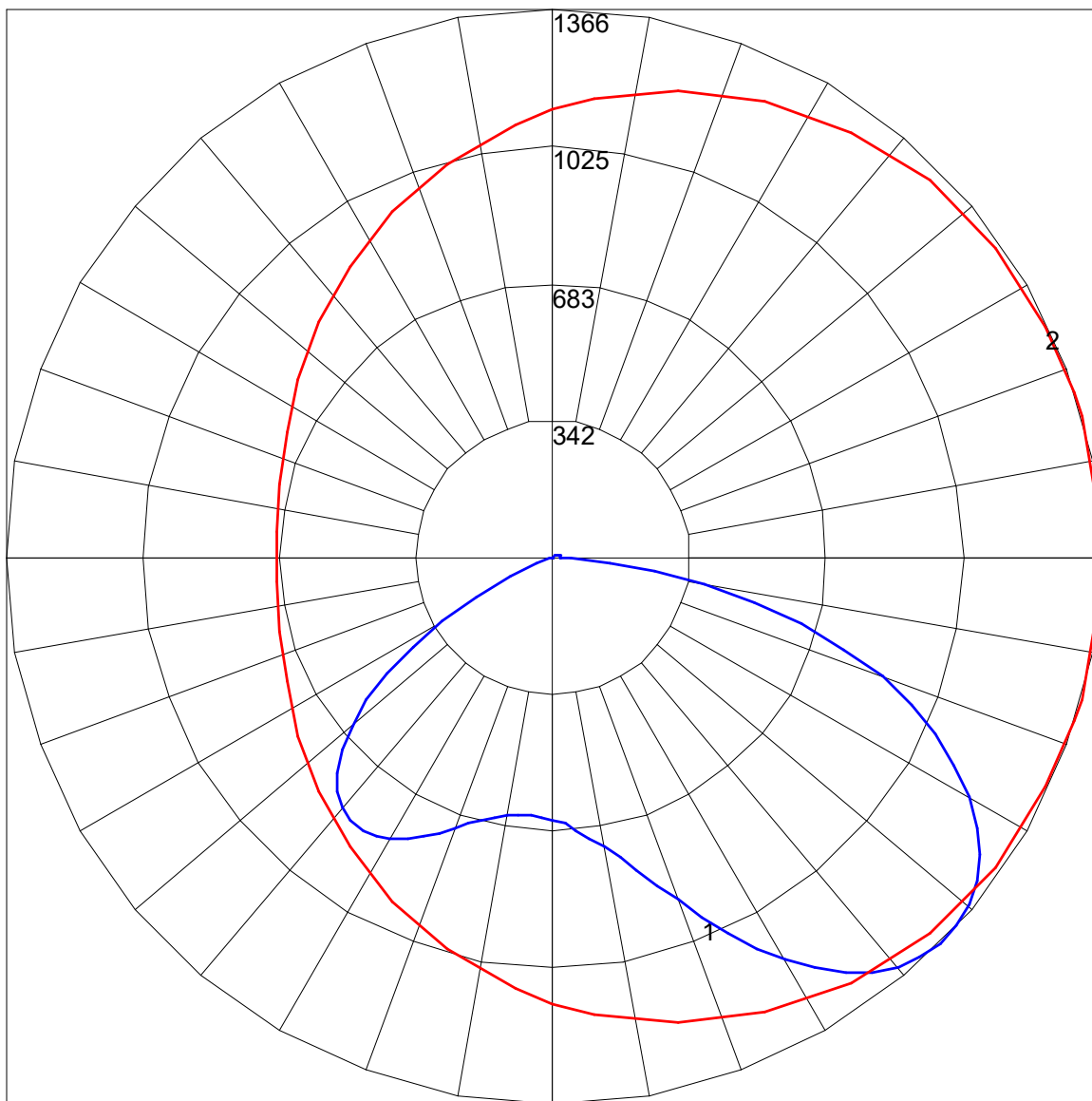
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2687.3	63.7
Downward House Side	1519.6	36.0
Downward Total	4206.9	99.7
Upward Street Side	11.1	0.3
Upward House Side	3.0	0.1
Upward Total	14.1	0.3
Total Flux	4221.0	100.0

IES ROAD REPORT

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POLAR GRAPH

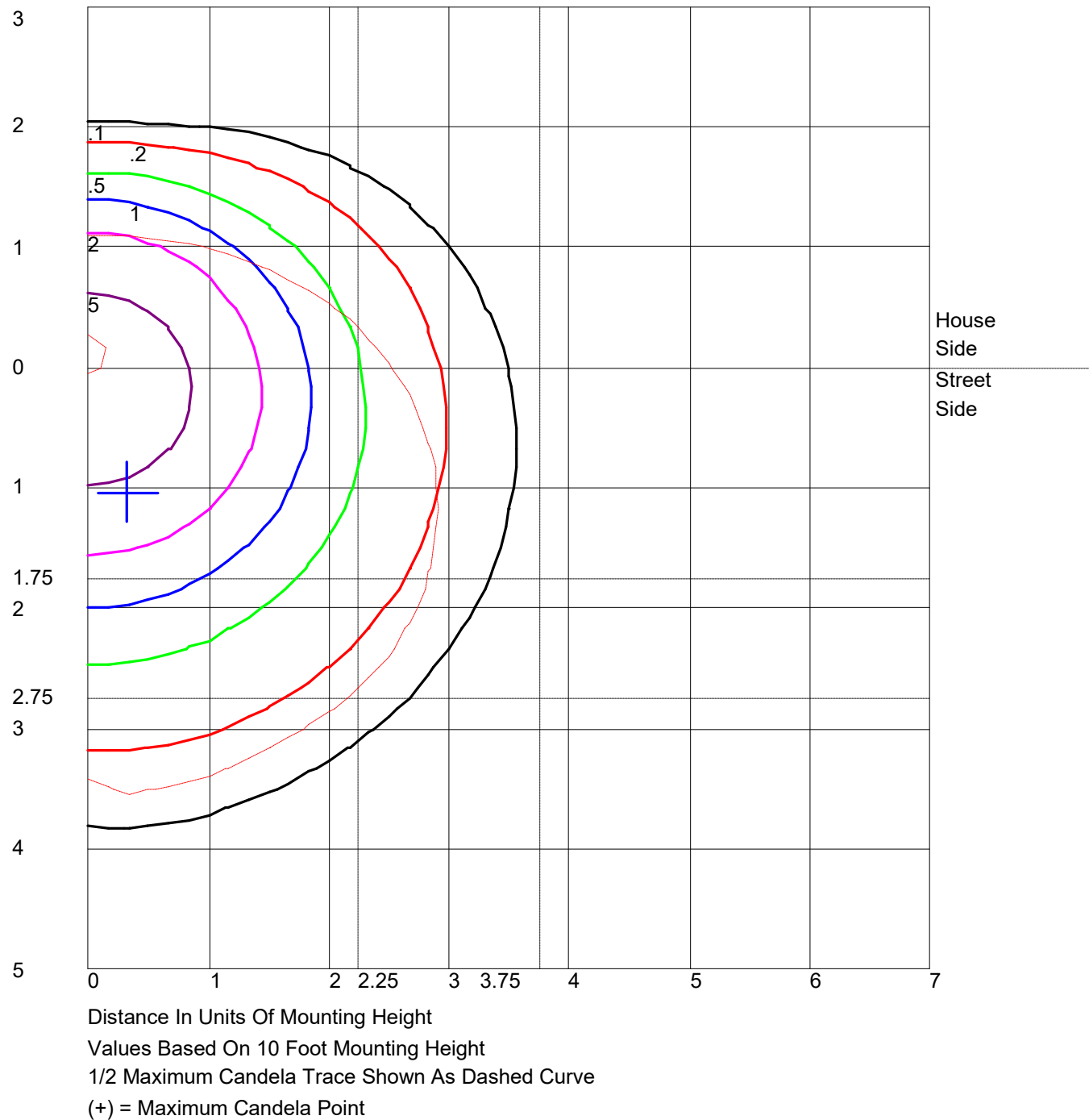


Maximum Candela = 1366 Located At Horizontal Angle = 17.5, Vertical Angle = 47.5

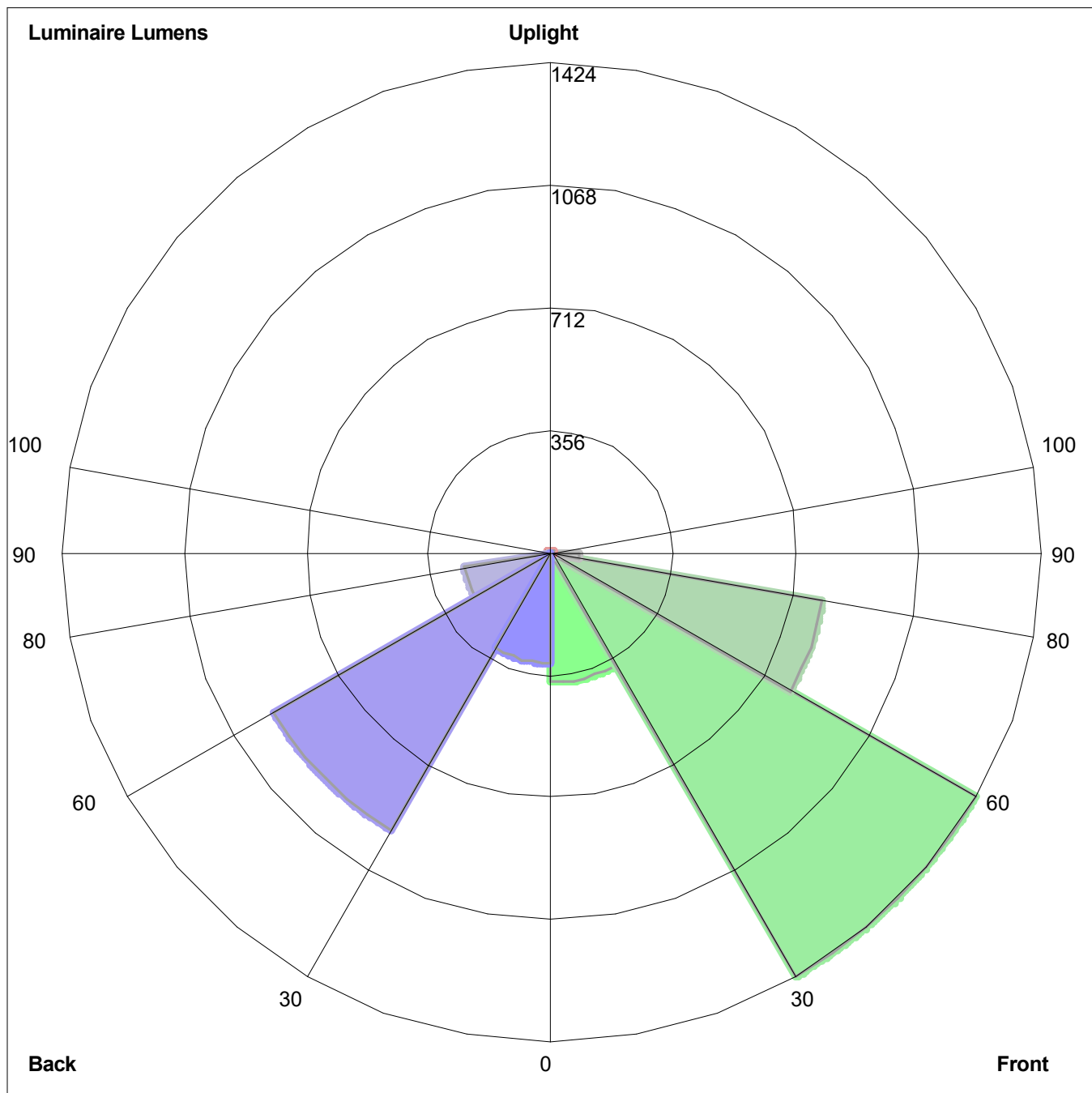
1 - Vertical Plane Through Horizontal Angles (17.5 - 197.5) (Through Max. Cd.)

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=378.1, Medium=1424.3, High=803.0, Very High=81.9
Back: Low=321.2, Medium=931.1, High=255.0, Very High=12.4
Uplight: Low=7.0, High=7.1

BUG Rating : B1-U1-G1