



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-05L-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-05L-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	3531
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	37
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1143
Maximum Candela Angle	17.5H 47.5V
Maximum Candela (<90 Degrees Vertical)	1143
Maximum Candela Angle (<90 Degrees Vertical)	17.5H 47.5V
Maximum Candela At 90 Degrees Vertical	17 (0.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	329 (9.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5N-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	316.5	N.A.	9.0
FM - Front-Medium (30-60)	1192.2	N.A.	33.8
FH - Front-High (60-80)	672.1	N.A.	19.0
FVH - Front-Very High (80-90)	68.6	N.A.	1.9
BL - Back-Low (0-30)	268.9	N.A.	7.6
BM - Back-Medium (30-60)	779.4	N.A.	22.1
BH - Back-High (60-80)	213.4	N.A.	6.0
BVH - Back-Very High (80-90)	10.4	N.A.	0.3
UL - Uplight-Low (90-100)	5.5	N.A.	0.2
UH - Uplight-High (100-180)	3.8	N.A.	0.1
Total	3530.8	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	553	553	553	553	553	553	553	553	553	553
2.5	559	559	559	559	558	559	558	558	558	557
5.0	574	574	573	573	572	572	571	569	567	565
7.5	593	593	592	593	592	589	587	584	581	577
10.0	616	617	615	616	614	612	608	604	599	595
12.5	646	646	645	645	643	639	634	629	622	615
15.0	680	681	681	679	678	671	666	658	651	642
17.5	720	723	722	719	718	711	702	693	684	672
20.0	770	768	766	764	762	754	743	732	720	707
22.5	821	819	816	815	810	801	789	777	763	746
25.0	874	871	868	867	860	850	837	821	805	786
27.5	930	927	922	921	913	900	885	870	849	827
30.0	984	981	974	973	963	949	934	915	891	866
32.5	1034	1032	1024	1021	1010	994	977	957	933	902
35.0	1074	1073	1066	1064	1053	1036	1018	994	967	935
37.5	1101	1101	1099	1098	1087	1072	1051	1026	997	962
40.0	1122	1122	1121	1120	1113	1100	1078	1052	1022	985
42.5	1135	1136	1135	1136	1130	1118	1097	1071	1039	1000
45.0	1142	1142	1143	1143	1140	1128	1109	1083	1049	1009
47.5	1141	1142	1143	1143	1139	1129	1112	1085	1051	1010
50.0	1131	1133	1134	1134	1129	1121	1105	1081	1045	1001
52.5	1114	1115	1115	1116	1111	1103	1088	1064	1029	985
55.0	1085	1087	1088	1089	1085	1077	1064	1037	1004	959
57.5	1046	1051	1053	1053	1051	1043	1027	1003	970	926
60.0	997	1005	1008	1007	1005	997	982	959	923	882
62.5	944	946	950	946	947	940	928	904	871	827
65.0	881	881	881	880	880	878	865	841	809	764
67.5	807	805	809	810	807	802	796	772	740	696
70.0	714	725	728	731	726	721	714	696	662	618
72.5	619	638	638	637	633	632	627	609	576	537
75.0	519	544	540	539	535	534	532	514	489	449
77.5	419	442	435	433	431	431	423	416	391	353
80.0	317	329	326	319	328	323	317	313	294	260
82.5	216	220	215	214	215	220	215	212	198	172
85.0	120	120	113	118	119	120	122	119	110	94
87.5	40	35	36	36	38	40	41	43	37	33
90.0	17	17	17	16	16	15	14	11	9	8
92.5	17	17	17	17	16	15	14	10	7	4
95.0	16	16	16	15	15	15	12	9	6	3
97.5	14	14	14	14	14	13	11	8	4	2
100.0	12	12	11	11	11	11	9	7	4	1
102.5	9	9	9	9	9	9	8	5	2	1
105.0	7	6	6	6	6	6	6	4	1	0
107.5	3	3	3	3	4	4	4	2	1	0
110.0	0	0	1	1	2	2	2	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

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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	553	553	553	553	553	553	553	553	553	553
2.5	557	556	556	554	553	551	550	549	548	548
5.0	562	561	559	557	554	551	548	546	544	544
7.5	574	571	569	564	559	556	552	548	545	544
10.0	588	585	582	576	570	563	558	554	551	548
12.5	608	604	600	592	583	576	570	563	559	557
15.0	633	629	622	612	601	593	584	577	572	568
17.5	662	655	648	635	623	613	603	595	589	583
20.0	694	687	679	663	649	635	625	614	607	602
22.5	729	721	711	694	676	662	648	636	628	622
25.0	766	756	746	726	705	688	672	659	649	641
27.5	804	792	781	757	734	714	696	681	670	661
30.0	840	827	813	786	763	739	717	700	687	677
32.5	874	859	842	814	784	758	734	714	699	689
35.0	903	885	868	836	802	772	746	724	707	694
37.5	926	907	889	852	815	781	751	726	706	691
40.0	945	924	903	861	820	782	748	720	697	681
42.5	958	934	912	865	819	777	739	705	679	661
45.0	963	938	913	861	811	763	721	682	651	632
47.5	960	934	907	851	795	742	692	651	616	592
50.0	949	922	892	833	771	713	657	609	570	543
52.5	930	901	869	804	739	673	613	557	514	483
55.0	903	873	839	769	694	626	559	500	450	415
57.5	868	836	801	724	647	568	499	433	378	338
60.0	823	788	750	672	590	506	432	360	300	255
62.5	767	730	694	614	527	440	355	279	215	167
65.0	706	666	632	550	459	368	281	199	133	88
67.5	633	598	564	481	388	296	206	130	68	27
70.0	559	526	486	409	318	227	143	74	26	2
72.5	479	448	409	332	250	162	91	37	8	0
75.0	394	368	330	259	180	108	53	16	2	0
77.5	310	288	250	188	125	69	28	7	0	0

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CANDELA TABULATION - (Cont.)

80.0	223	207	179	128	81	40	13	3	0	0
82.5	148	132	115	79	47	21	6	1	0	0
85.0	78	71	63	41	22	9	2	0	0	0
87.5	28	25	20	14	8	3	0	0	0	0
90.0	5	4	3	2	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	553	553
2.5	547	547
5.0	543	543
7.5	543	543
10.0	547	547
12.5	555	555
15.0	566	566
17.5	581	581
20.0	599	597
22.5	618	617
25.0	637	636

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5N-30-70CRI-HSS.IES****CANDELA TABULATION - (Cont.)**

27.5	656	657
30.0	672	672
32.5	683	683
35.0	688	687
37.5	684	683
40.0	672	671
42.5	651	651
45.0	622	620
47.5	581	580
50.0	529	529
52.5	467	462
55.0	397	391
57.5	318	311
60.0	228	226
62.5	142	139
65.0	61	57
67.5	4	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

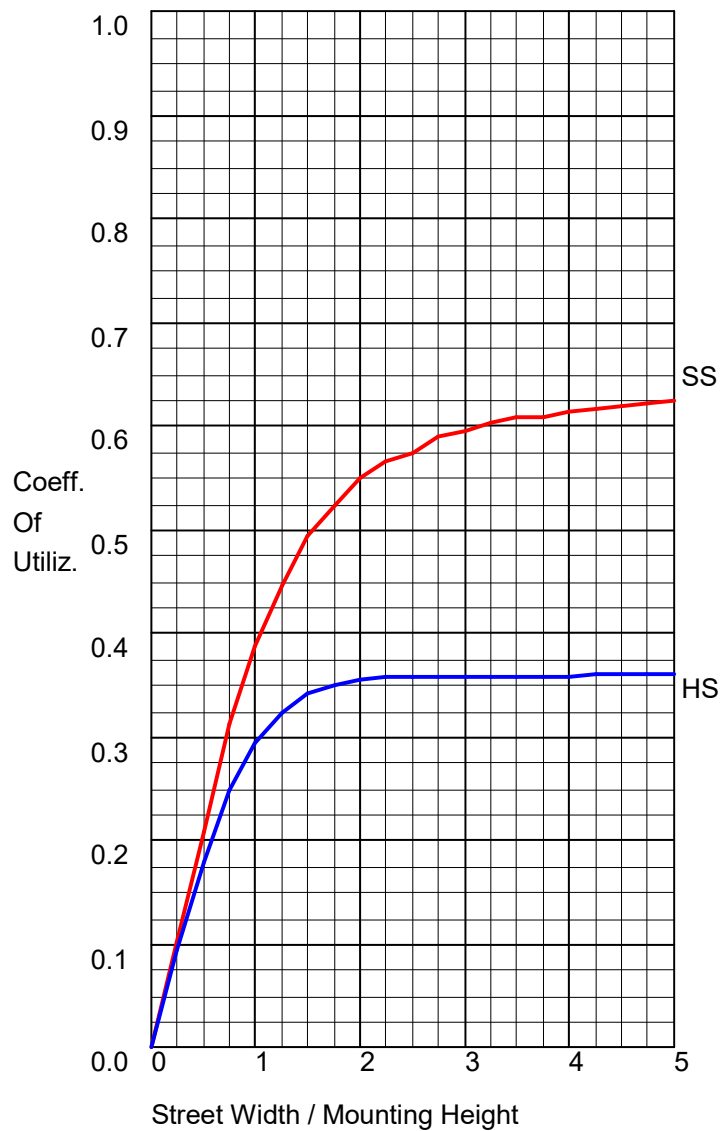
IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-05L-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



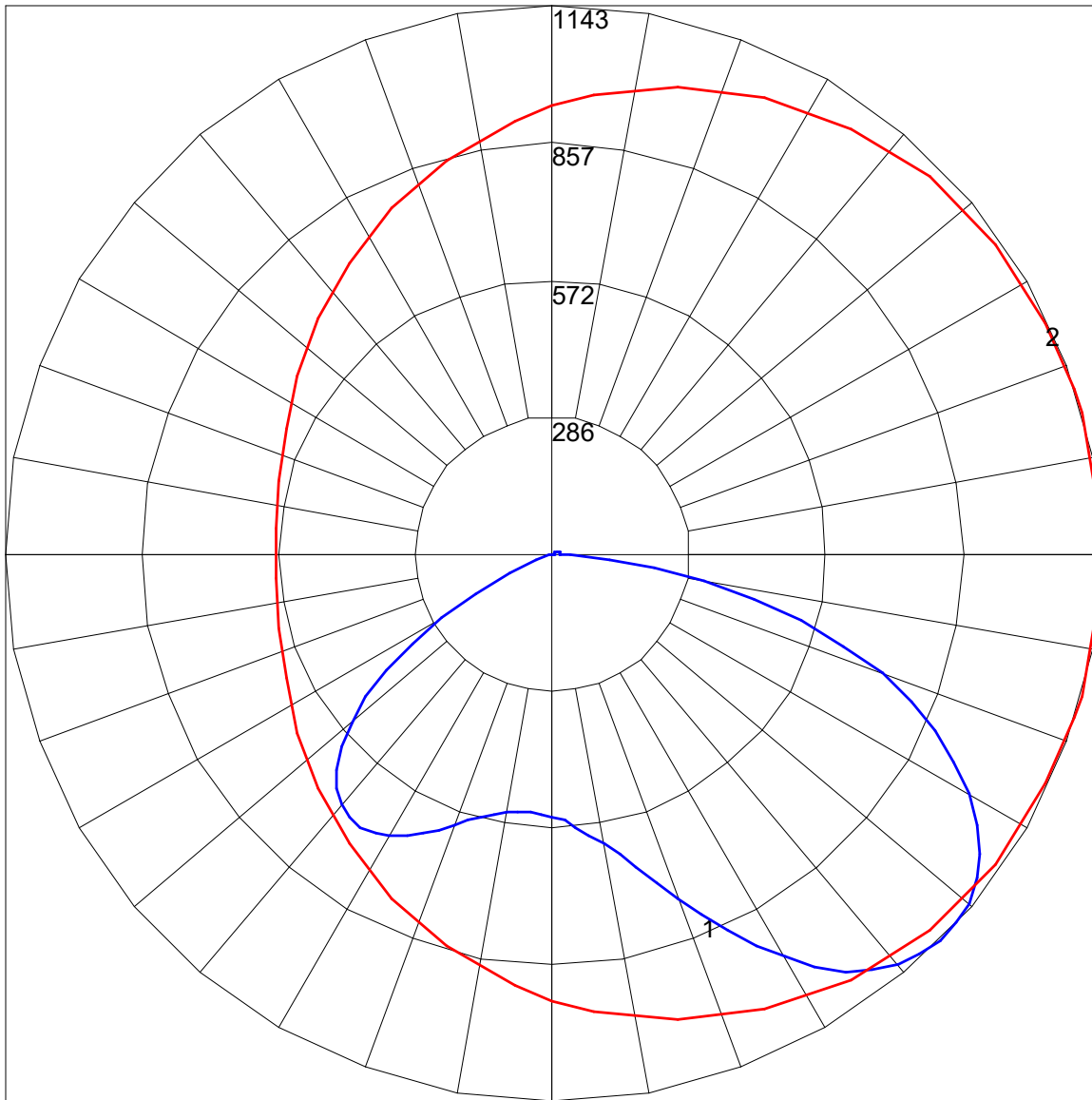
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2249.4	63.7
Downward House Side	1272.0	36.0
Downward Total	3521.4	99.7
Upward Street Side	8.0	0.2
Upward House Side	1.4	0.0
Upward Total	9.4	0.3
Total Flux	3530.8	100.0

IES ROAD REPORT

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POLAR GRAPH

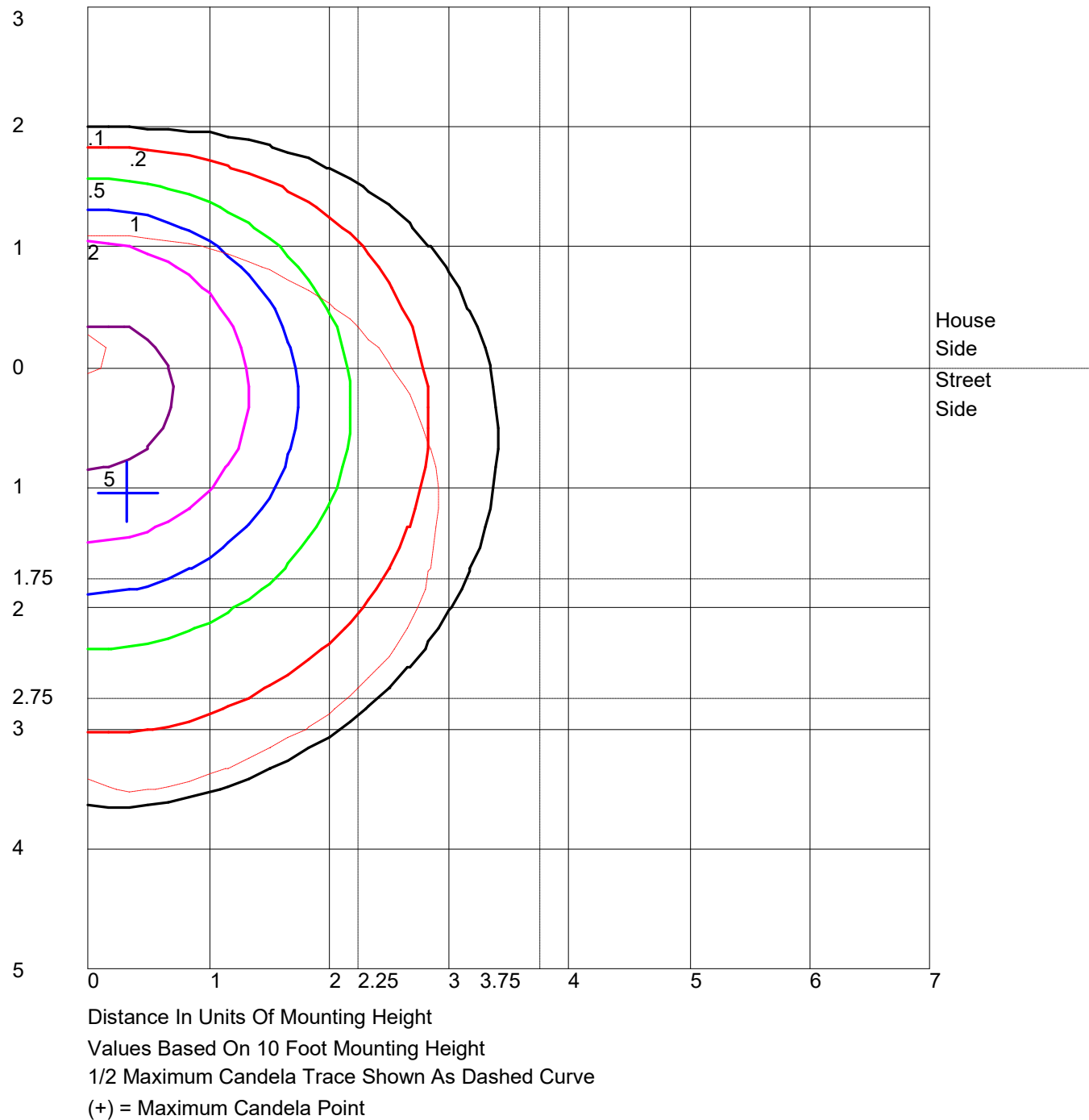


Maximum Candela = 1143 Located At Horizontal Angle = 17.5, Vertical Angle = 47.5

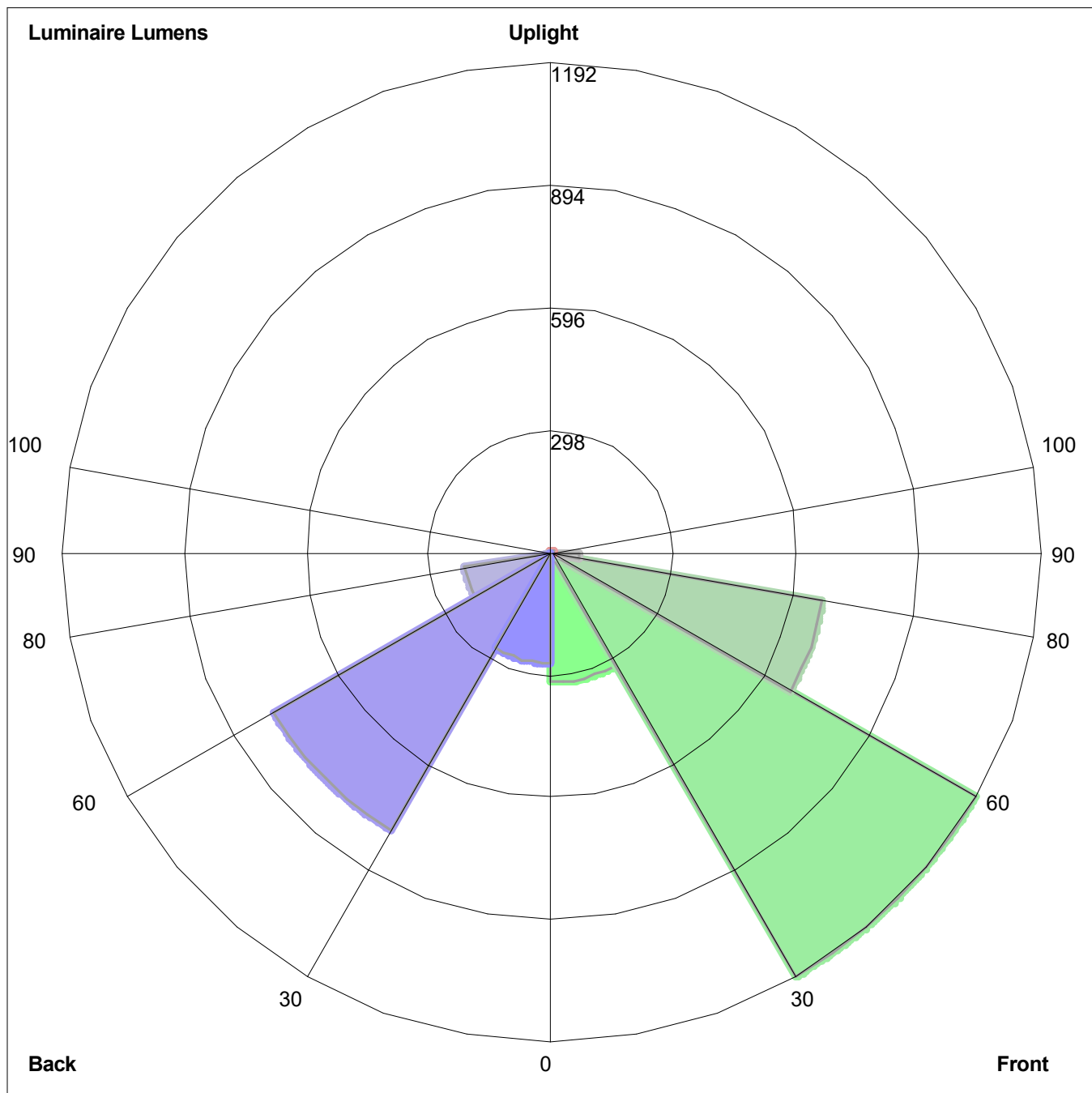
1 - Vertical Plane Through Horizontal Angles (17.5 - 197.5) (Through Max. Cd.)

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=316.5, Medium=1192.2, High=672.1, Very High=68.6
Back: Low=268.9, Medium=779.4, High=213.4, Very High=10.4
Uplight: Low=5.5, High=3.8

BUG Rating : B1-U1-G1