



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-06L-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-06L-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	4140
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	44
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1415
Maximum Candela Angle	35H 60V
Maximum Candela (<90 Degrees Vertical)	1415
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	539 (13.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-06L-T5W-30-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	208.1	N.A.	5.0
FM - Front-Medium (30-60)	1313.1	N.A.	31.7
FH - Front-High (60-80)	1049.4	N.A.	25.3
FVH - Front-Very High (80-90)	107.5	N.A.	2.6
BL - Back-Low (0-30)	193.1	N.A.	4.7
BM - Back-Medium (30-60)	908.4	N.A.	21.9
BH - Back-High (60-80)	344.6	N.A.	8.3
BVH - Back-Very High (80-90)	15.5	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	4139.7	N.A.	100.0
BUG Rating	B1-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>22.5</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	239	239	239	239	239	239	239	239	239	239
2.5	239	239	239	239	239	239	239	240	240	240
5.0	247	247	247	248	247	248	248	248	249	249
7.5	262	263	263	264	263	264	264	264	265	265
10.0	287	287	287	288	289	288	288	288	288	289
12.5	319	320	323	321	323	322	319	319	320	320
15.0	362	365	365	363	365	364	361	360	360	359
17.5	413	417	417	414	416	414	413	411	408	408
20.0	480	477	478	473	475	473	471	467	461	461
22.5	549	545	546	544	542	539	535	533	524	520
25.0	624	621	621	618	616	612	606	601	590	583
27.5	706	707	700	700	694	688	682	673	663	651
30.0	789	790	780	779	774	769	757	746	732	717
32.5	871	873	865	859	853	845	832	817	800	782
35.0	946	949	943	937	934	920	905	885	866	845
37.5	1011	1015	1014	1009	1009	991	974	951	929	905
40.0	1069	1073	1077	1074	1074	1061	1037	1015	989	960
42.5	1122	1130	1132	1132	1133	1123	1101	1075	1045	1012
45.0	1177	1182	1188	1188	1189	1181	1162	1132	1099	1068
47.5	1226	1233	1244	1244	1244	1237	1222	1192	1155	1121
50.0	1274	1282	1298	1299	1296	1290	1282	1244	1208	1173
52.5	1315	1326	1347	1349	1346	1341	1333	1291	1253	1222
55.0	1343	1361	1385	1390	1388	1386	1374	1328	1287	1258
57.5	1357	1380	1411	1415	1414	1412	1401	1348	1306	1278
60.0	1352	1379	1411	1415	1415	1415	1405	1349	1305	1276
62.5	1329	1354	1387	1391	1391	1392	1382	1327	1282	1247
65.0	1274	1306	1336	1340	1343	1343	1333	1281	1233	1193
67.5	1199	1233	1259	1266	1267	1267	1256	1202	1160	1114
70.0	1097	1136	1157	1164	1164	1165	1148	1104	1059	1012
72.5	973	1016	1032	1031	1037	1038	1022	984	940	883
75.0	831	868	886	882	889	882	875	843	801	743
77.5	676	708	703	716	706	715	709	685	645	589
80.0	514	526	526	539	530	529	531	513	479	428
82.5	334	351	349	362	355	353	346	341	307	268
85.0	183	190	190	191	193	192	187	171	161	137
87.5	61	64	64	64	65	65	59	54	47	43
90.0	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	239	239	239	239	239	239	239	239	239	239
2.5	240	240	240	240	240	240	239	239	239	239
5.0	249	249	249	250	250	250	250	249	249	249
7.5	267	267	265	266	266	266	266	266	266	266
10.0	291	291	289	289	289	289	289	291	289	289
12.5	322	322	322	320	319	318	320	320	321	319
15.0	360	360	359	357	356	355	357	356	357	357
17.5	405	404	403	400	399	399	398	397	397	398
20.0	456	454	453	449	446	446	445	442	442	443
22.5	513	510	508	505	499	495	494	491	490	491
25.0	574	570	567	560	555	550	544	542	540	539
27.5	637	632	629	620	610	603	597	591	588	586

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CANDELA TABULATION - (Cont.)

30.0	703	693	688	675	663	653	645	638	634	632
32.5	764	756	746	729	712	700	690	683	677	671
35.0	824	812	801	779	757	740	729	719	711	704
37.5	879	866	851	824	797	777	762	750	740	729
40.0	932	914	897	863	833	808	787	772	757	745
42.5	981	960	942	898	863	832	806	786	768	751
45.0	1028	1006	983	935	888	851	821	793	769	750
47.5	1073	1048	1020	968	911	865	829	791	761	739
50.0	1116	1087	1055	997	926	871	828	778	740	715
52.5	1156	1122	1087	1019	933	868	814	754	706	674
55.0	1189	1146	1110	1028	927	850	785	714	655	608
57.5	1204	1154	1117	1022	906	815	737	647	578	522
60.0	1196	1142	1101	996	866	762	665	562	476	406
62.5	1163	1107	1060	948	809	690	577	459	358	276
65.0	1107	1051	998	875	732	596	472	342	230	140
67.5	1026	969	913	784	629	488	360	225	114	32
70.0	922	869	808	673	522	379	252	128	40	1
72.5	800	751	681	557	412	276	155	65	10	0
75.0	658	611	553	437	306	187	90	29	1	0
77.5	505	465	419	319	210	117	50	11	0	0
80.0	361	328	292	212	132	67	25	4	0	0
82.5	226	202	173	120	71	33	11	1	0	0
85.0	113	99	83	56	30	14	4	0	0	0
87.5	34	29	24	14	7	3	1	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	239	239
2.5	239	239
5.0	249	249
7.5	266	266
10.0	289	289
12.5	318	319
15.0	355	355
17.5	397	395
20.0	442	440
22.5	491	491
25.0	539	539
27.5	587	586
30.0	631	630
32.5	669	667
35.0	700	697
37.5	724	721
40.0	739	735
42.5	744	740
45.0	739	734
47.5	723	716
50.0	692	686
52.5	646	639
55.0	578	570
57.5	485	477
60.0	369	359
62.5	226	225
65.0	85	83

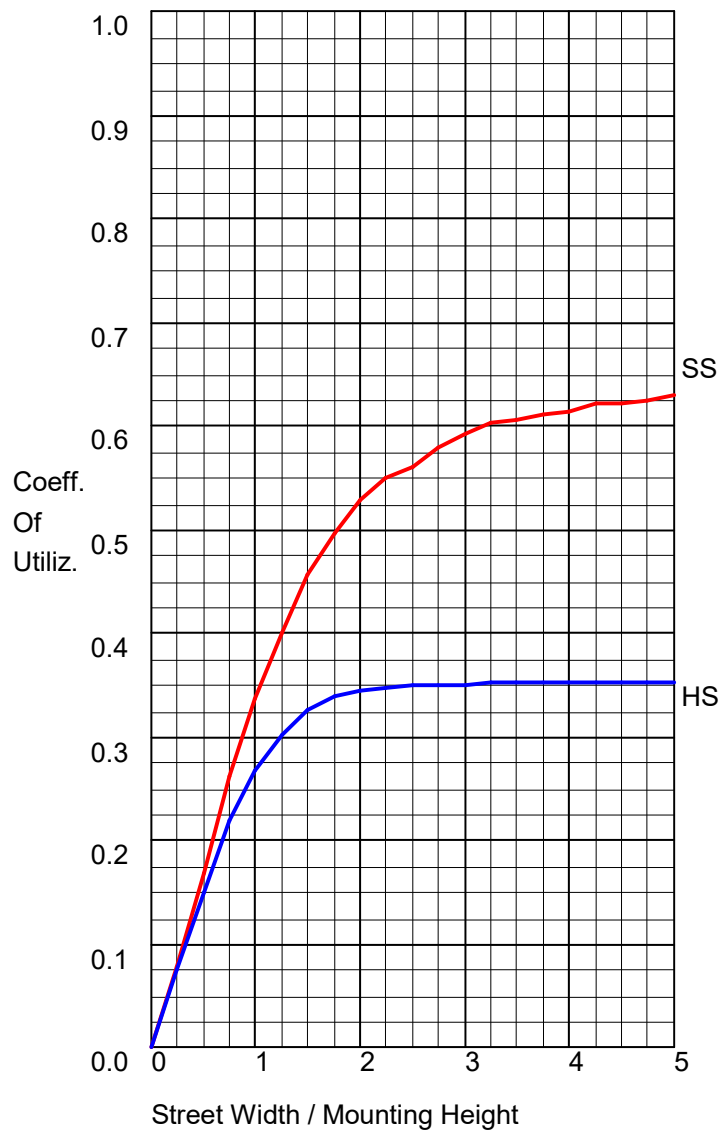
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CANDELA TABULATION - (Cont.)

67.5	0	0
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

COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

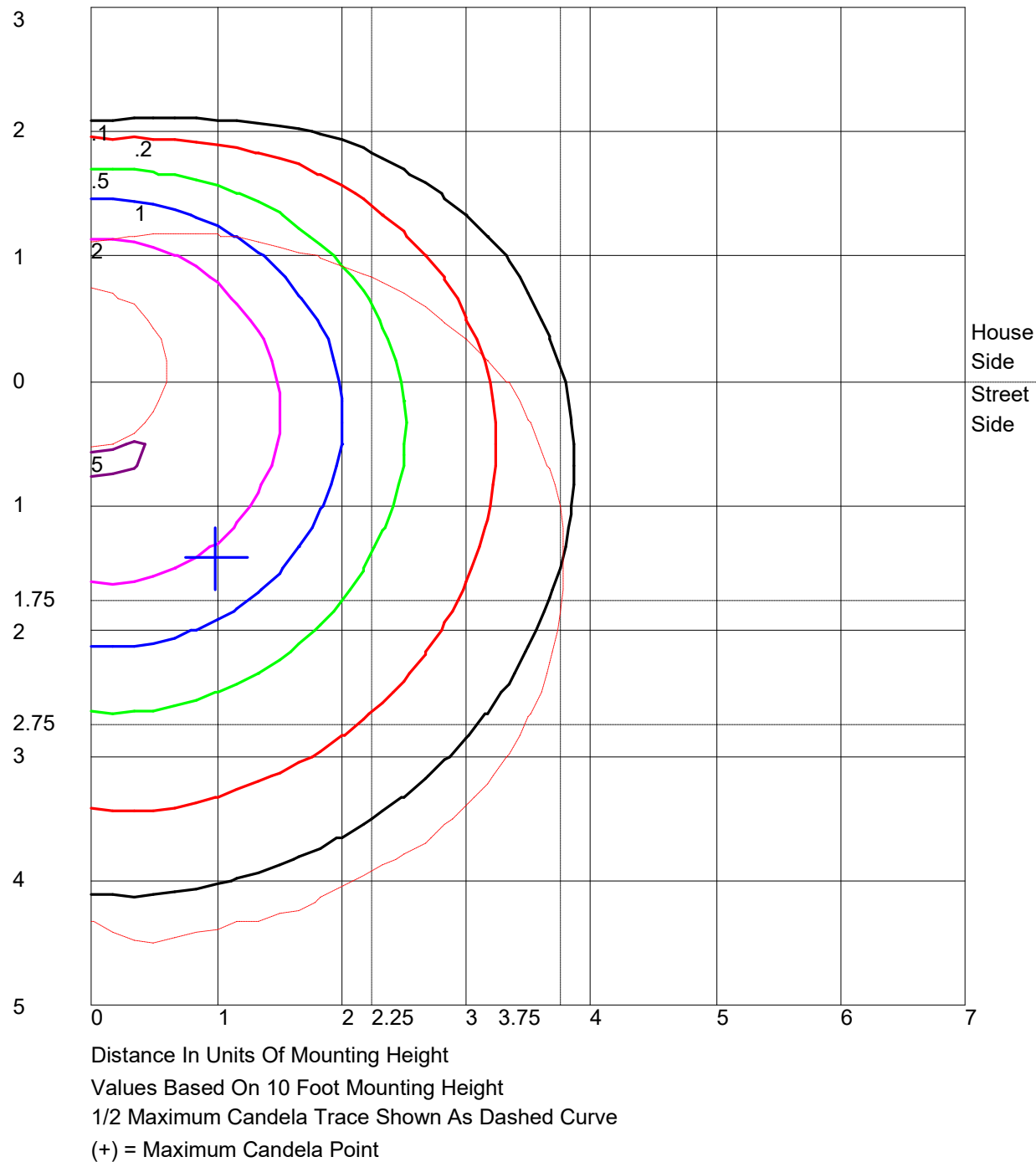
	Lumens	Percent Of Luminaire
Downward Street Side	2678.2	64.7
Downward House Side	1461.6	35.3
Downward Total	4139.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	4139.8	100.0

POLAR GRAPH

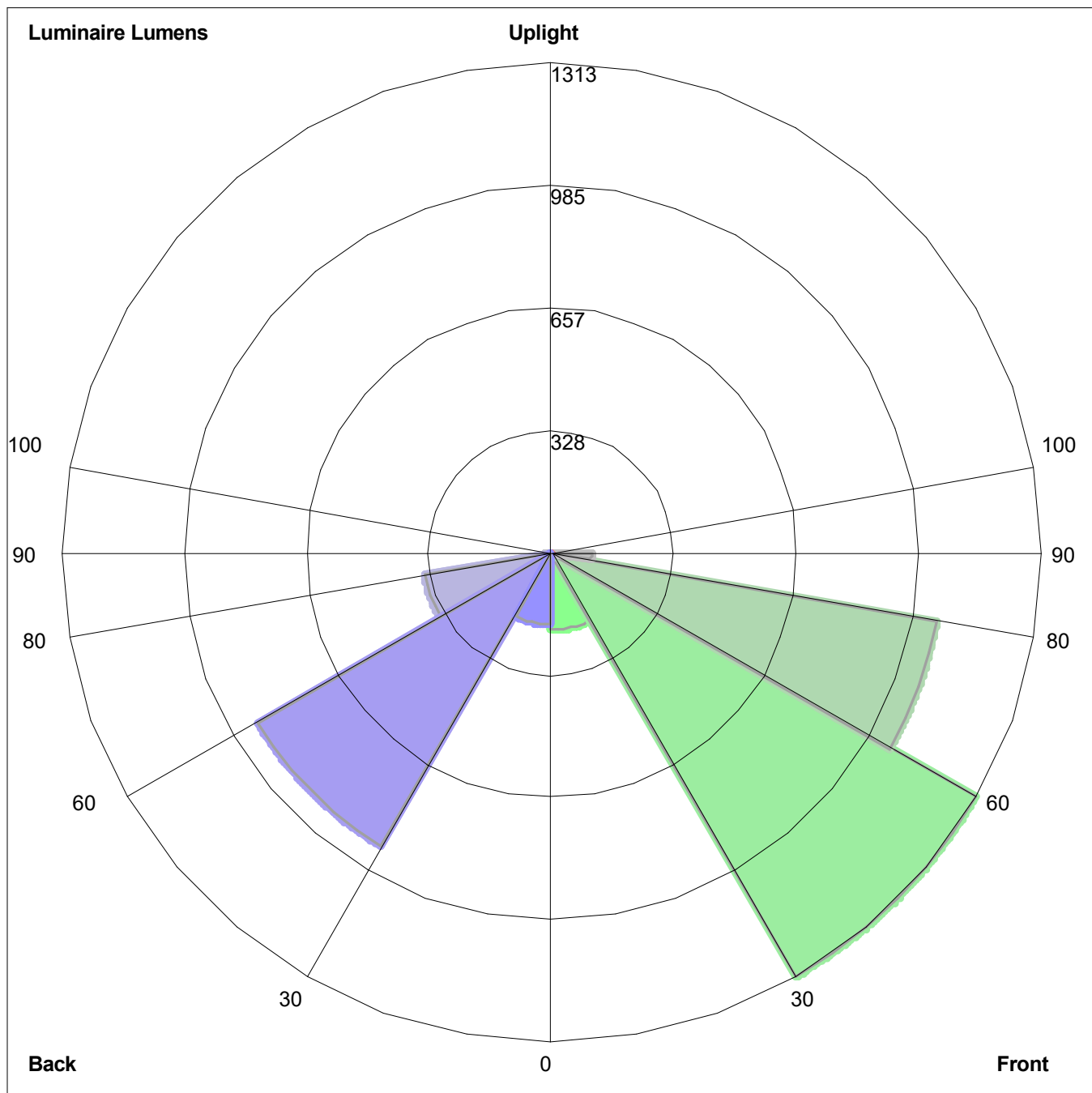


Maximum Candela = 1415 Located At Horizontal Angle = 35, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=208.1, Medium=1313.1, High=1049.4, Very High=107.5
Back: Low=193.1, Medium=908.4, High=344.6, Very High=15.5
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G2