



IES ROAD REPORT

PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5N-50-70CRI-HSS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-10659
[TESTLAB] LSI INDUSTRIES, INC
[ISSUEDATE] 10/17/2019
[TESTDATE] 10/31/18
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] EXN-EGLED-05L-T5N-50-70CRI-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	3718
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	37
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1204
Maximum Candela Angle	17.5H 47.5V
Maximum Candela (<90 Degrees Vertical)	1204
Maximum Candela Angle (<90 Degrees Vertical)	17.5H 47.5V
Maximum Candela At 90 Degrees Vertical	18 (0.5% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	346 (9.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5N-50-70CRI-HSS.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	333.2	N.A.	9.0
FM - Front-Medium (30-60)	1255.4	N.A.	33.8
FH - Front-High (60-80)	707.7	N.A.	19.0
FVH - Front-Very High (80-90)	72.2	N.A.	1.9
BL - Back-Low (0-30)	283.1	N.A.	7.6
BM - Back-Medium (30-60)	820.7	N.A.	22.1
BH - Back-High (60-80)	224.7	N.A.	6.0
BVH - Back-Very High (80-90)	10.9	N.A.	0.3
UL - Uplight-Low (90-100)	5.9	N.A.	0.2
UH - Uplight-High (100-180)	3.9	N.A.	0.1
Total	3717.7	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	582	582	582	582	582	582	582	582	582	582
2.5	589	589	589	589	588	589	588	588	588	587
5.0	604	604	603	603	602	602	601	599	597	595
7.5	624	624	623	624	623	620	618	615	612	608
10.0	649	650	648	649	647	644	640	636	631	626
12.5	680	680	679	679	677	673	668	662	655	648
15.0	716	717	717	715	714	707	701	693	685	676
17.5	758	761	760	757	756	749	739	730	720	708
20.0	811	809	807	804	802	794	782	771	758	744
22.5	864	862	859	858	853	843	831	818	803	786
25.0	920	917	914	913	906	895	881	865	848	828
27.5	979	976	971	970	961	948	932	916	894	871
30.0	1036	1033	1026	1025	1014	999	984	963	938	912
32.5	1089	1087	1078	1075	1064	1047	1029	1008	982	950
35.0	1131	1130	1123	1120	1109	1091	1072	1047	1018	985
37.5	1159	1159	1157	1156	1145	1129	1107	1080	1050	1013
40.0	1181	1181	1180	1179	1172	1158	1135	1108	1076	1037
42.5	1195	1196	1195	1196	1190	1177	1155	1128	1094	1053
45.0	1202	1203	1204	1204	1200	1188	1168	1140	1105	1062
47.5	1201	1203	1204	1204	1199	1189	1171	1143	1107	1063
50.0	1191	1193	1194	1194	1189	1180	1164	1138	1100	1054
52.5	1173	1174	1174	1175	1170	1161	1146	1120	1084	1037
55.0	1142	1145	1146	1147	1143	1134	1120	1092	1057	1010
57.5	1101	1107	1109	1109	1107	1098	1081	1056	1021	975
60.0	1050	1058	1061	1060	1058	1050	1034	1010	972	929
62.5	994	996	1000	996	997	990	977	952	917	871
65.0	928	928	928	927	927	924	911	886	852	805
67.5	850	848	852	853	850	845	838	813	779	733
70.0	752	763	767	770	764	759	752	733	697	651
72.5	652	672	672	671	667	665	660	641	606	565
75.0	547	573	569	568	563	562	560	541	515	473
77.5	441	465	458	456	454	454	445	438	412	372
80.0	334	346	343	336	345	340	334	330	310	274
82.5	227	232	226	225	226	232	226	223	209	181
85.0	126	126	119	124	125	126	128	125	116	99
87.5	42	37	38	38	40	42	43	45	39	35
90.0	18	18	18	17	17	16	15	12	9	8
92.5	18	18	18	18	17	16	15	11	7	4
95.0	17	17	17	16	16	16	13	10	6	3
97.5	15	15	15	15	15	14	12	8	4	2
100.0	13	13	12	12	12	12	10	7	4	1
102.5	10	10	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

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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	582	582	582	582	582	582	582	582	582	582
2.5	586	585	585	583	582	580	579	578	577	577
5.0	592	591	589	586	583	580	577	575	573	573
7.5	604	601	599	594	589	585	581	577	574	573
10.0	619	616	613	606	600	593	588	583	580	577
12.5	640	636	632	623	614	607	600	593	589	586
15.0	667	662	655	644	633	624	615	608	602	598
17.5	697	690	682	669	656	645	635	627	620	614
20.0	731	723	715	698	683	669	658	647	639	634
22.5	768	759	749	731	712	697	682	670	661	655
25.0	807	796	785	764	742	724	708	694	683	675
27.5	847	834	822	797	773	752	733	717	705	696
30.0	885	871	856	828	803	778	755	737	723	713
32.5	920	904	887	857	826	798	773	752	736	725
35.0	951	932	914	880	845	813	785	762	744	731
37.5	975	955	936	897	858	822	791	764	743	728
40.0	995	973	951	907	863	823	788	758	734	717
42.5	1009	984	960	911	862	818	778	742	715	696
45.0	1014	988	961	907	854	803	759	718	686	666
47.5	1011	984	955	896	837	781	729	685	649	623
50.0	999	971	939	877	812	751	692	641	600	572
52.5	979	949	915	847	778	709	645	587	541	509
55.0	951	919	883	810	731	659	589	526	474	437
57.5	914	880	843	762	681	598	525	456	398	356
60.0	867	830	790	708	621	533	455	379	316	269
62.5	808	769	731	647	555	463	374	294	226	176
65.0	743	701	666	579	483	388	296	210	140	93
67.5	667	630	594	506	409	312	217	137	72	28
70.0	589	554	512	431	335	239	151	78	27	2
72.5	504	472	431	350	263	171	96	39	8	0
75.0	415	388	348	273	190	114	56	17	2	0
77.5	326	303	263	198	132	73	29	7	0	0

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CANDELA TABULATION - (Cont.)

80.0	235	218	188	135	85	42	14	3	0	0
82.5	156	139	121	83	49	22	6	1	0	0
85.0	82	75	66	43	23	9	2	0	0	0
87.5	29	26	21	15	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	582	582
2.5	576	576
5.0	572	572
7.5	572	572
10.0	576	576
12.5	584	584
15.0	596	596
17.5	612	612
20.0	631	629
22.5	651	650
25.0	671	670

IES ROAD REPORT**PHOTOMETRIC FILENAME : EXN-EGLED-05L-T5N-50-70CRI-HSS.IES****CANDELA TABULATION - (Cont.)**

27.5	691	692
30.0	708	708
32.5	719	719
35.0	724	723
37.5	720	719
40.0	708	707
42.5	686	685
45.0	655	653
47.5	612	611
50.0	557	557
52.5	492	487
55.0	418	412
57.5	335	328
60.0	240	238
62.5	149	146
65.0	64	60
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

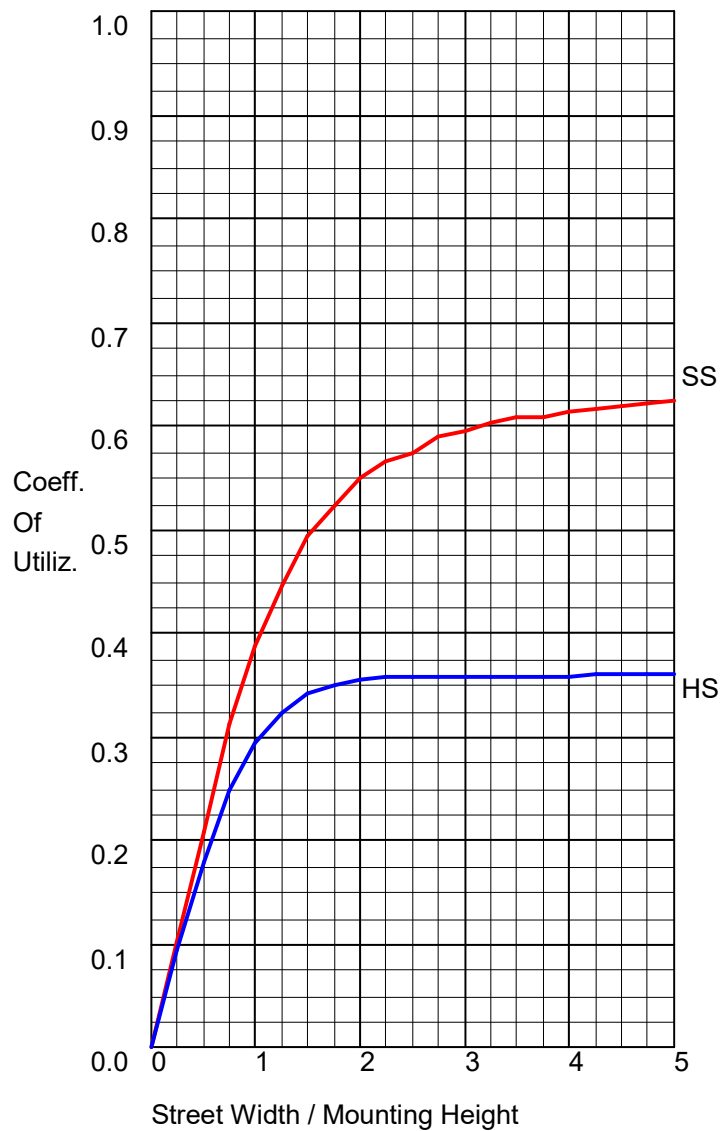
IES ROAD REPORT

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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



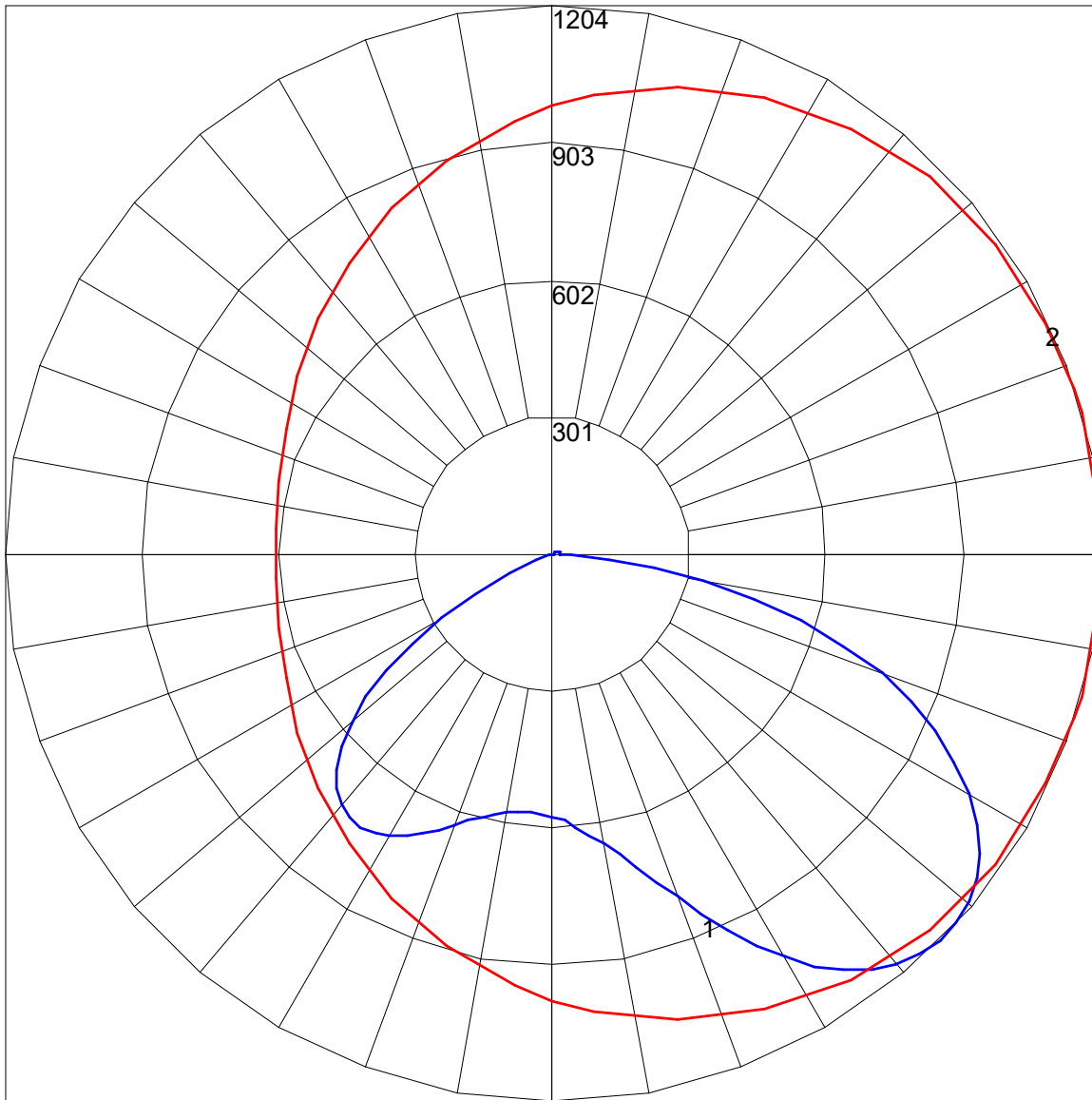
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2368.6	63.7
Downward House Side	1339.4	36.0
Downward Total	3708.0	99.7
Upward Street Side	8.4	0.2
Upward House Side	1.4	0.0
Upward Total	9.8	0.3
Total Flux	3717.8	100.0

IES ROAD REPORT

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POLAR GRAPH

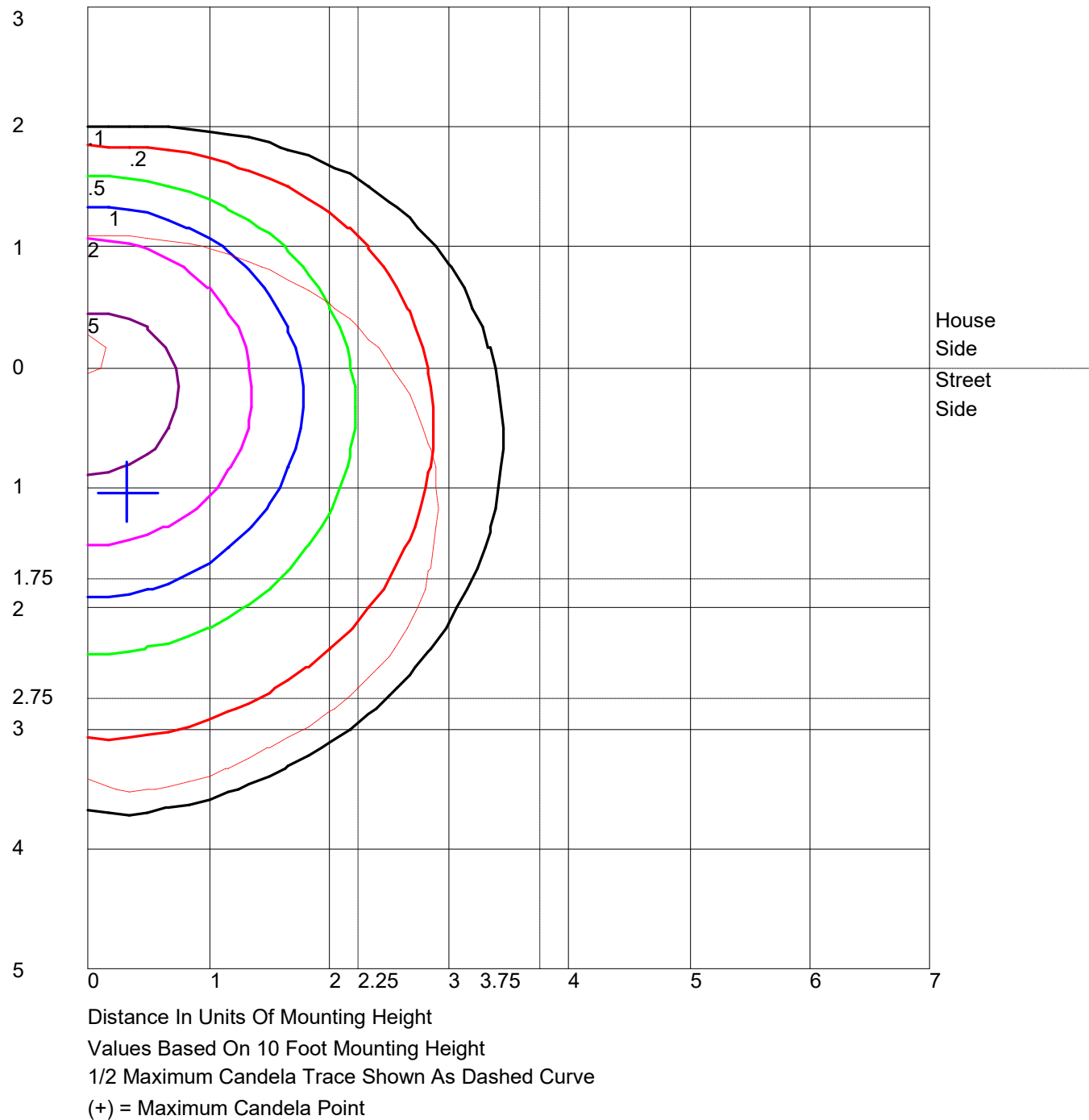


Maximum Candela = 1204 Located At Horizontal Angle = 17.5, Vertical Angle = 47.5

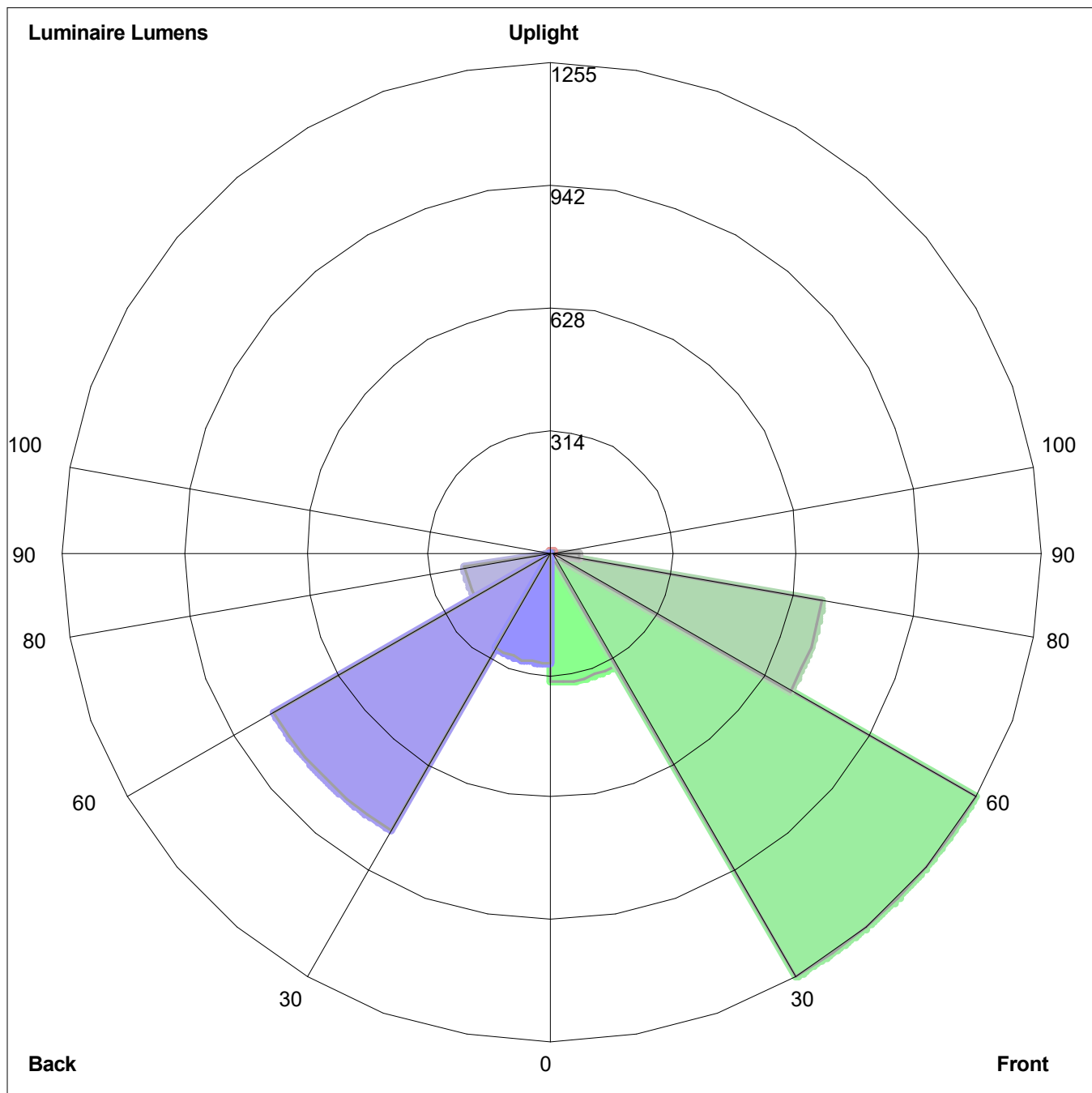
1 - Vertical Plane Through Horizontal Angles (17.5 - 197.5) (Through Max. Cd.)

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=333.2, Medium=1255.4, High=707.7, Very High=72.2
Back: Low=283.1, Medium=820.7, High=224.7, Very High=10.9
Uplight: Low=5.9, High=3.9

BUG Rating : B1-U1-G1