



IES ROAD REPORT

PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-05L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11764

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 06/10/20

[TEST DATE] 04/27/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] LXM4-PT-5W-LED-05L-30

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[SEARCH_SOURCETYPE] LED

[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4603
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	39.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2433
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	2433
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	5 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	371 (8.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	144.6	N.A.	3.1
FM - Front-Medium (30-60)	959.3	N.A.	20.8
FH - Front-High (60-80)	1168.6	N.A.	25.4
FVH - Front-Very High (80-90)	24.7	N.A.	0.5
BL - Back-Low (0-30)	144.6	N.A.	3.1
BM - Back-Medium (30-60)	959.3	N.A.	20.8
BH - Back-High (60-80)	1168.6	N.A.	25.4
BVH - Back-Very High (80-90)	24.7	N.A.	0.5
UL - Uplight-Low (90-100)	3.3	N.A.	0.1
UH - Uplight-High (100-180)	5.5	N.A.	0.1
Total	4603.2	N.A.	100.0
BUG Rating	B3-U1-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	256	256	256	256	256	256	256	256	256	256
2.5	250	252	254	257	257	257	257	256	256	256
5.0	232	234	242	244	248	242	242	241	238	237
7.5	234	234	239	231	234	226	233	245	252	242
10.0	230	235	234	224	233	236	243	246	255	247
12.5	256	258	253	245	250	242	247	255	267	271
15.0	273	278	268	278	277	268	265	270	283	283
17.5	288	299	290	292	300	301	291	288	304	310
20.0	321	328	321	320	325	326	329	308	322	335
22.5	351	347	353	352	359	363	368	349	357	370
25.0	384	377	385	390	393	396	413	409	377	399
27.5	419	425	432	430	434	446	457	460	423	441
30.0	459	454	454	472	481	506	513	519	470	481
32.5	514	521	509	517	539	563	580	580	525	511
35.0	563	559	563	572	588	639	645	634	599	562
37.5	625	632	621	624	669	697	709	696	657	610
40.0	659	671	677	692	735	765	770	764	723	644
42.5	691	702	710	748	801	823	835	811	768	673
45.0	726	740	752	785	849	884	883	854	808	709
47.5	767	779	788	821	894	934	932	900	852	748
50.0	808	821	826	868	943	988	985	948	894	788
52.5	859	871	878	920	996	1046	1043	1001	948	836
55.0	907	921	935	979	1056	1112	1103	1061	1008	890
57.5	973	994	1005	1044	1132	1191	1179	1132	1077	951
60.0	1061	1081	1103	1133	1228	1295	1276	1222	1159	1036
62.5	1160	1179	1219	1269	1380	1452	1416	1340	1265	1134
65.0	1243	1267	1315	1409	1578	1669	1604	1489	1399	1254
67.5	1291	1320	1387	1541	1816	1979	1862	1687	1558	1368
70.0	1109	1133	1265	1513	2054	2394	2137	1774	1472	1212
72.5	689	738	883	1163	1810	2433	1968	1398	1028	825
75.0	225	247	352	631	1242	1799	1324	807	501	379
77.5	110	113	145	229	529	965	670	337	202	157
80.0	49	49	62	103	204	371	265	147	91	77
82.5	27	26	28	42	80	139	97	62	45	44
85.0	17	16	16	22	34	52	40	32	26	27
87.5	9	8	8	10	14	17	14	13	11	10
90.0	3	3	4	4	5	5	4	4	3	2
92.5	3	3	3	3	4	5	4	4	3	2
95.0	2	2	3	3	3	4	4	4	3	2
97.5	2	2	2	2	3	4	4	3	3	2
100.0	2	2	2	2	2	3	3	2	2	1
102.5	1	1	2	2	2	2	2	2	2	1
105.0	1	1	1	1	2	2	2	2	1	1
107.5	1	1	1	1	1	1	1	1	1	1
110.0	1	1	1	2	1	2	1	1	1	1
112.5	1	1	1	1	1	1	1	1	1	1
115.0	1	1	1	1	2	1	1	1	1	1
117.5	2	2	2	2	2	2	2	2	2	1
120.0	2	2	2	2	2	2	2	2	2	2
122.5	1	1	2	2	2	2	2	2	2	1
125.0	1	2	2	2	2	2	2	2	2	2
127.5	1	2	2	2	2	2	2	2	2	2
130.0	1	1	2	2	2	2	2	1	2	2

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CANDELA TABULATION - (Cont.)

132.5	1	1	2	2	2	2	1	1	2	2
135.0	1	1	1	1	1	1	1	1	1	1
137.5	1	1	1	1	1	1	0	0	1	1
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. Horizontal Angles

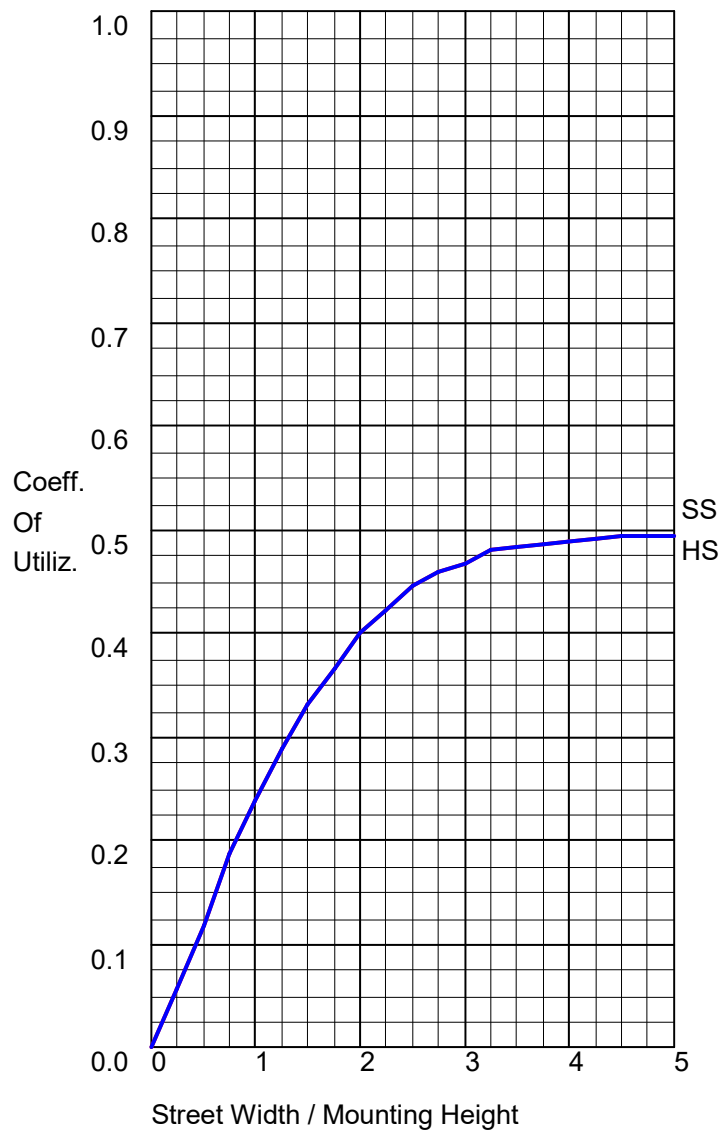
	90
0.0	256
2.5	256
5.0	238
7.5	246
10.0	249
12.5	266
15.0	291
17.5	307
20.0	339
22.5	362
25.0	407
27.5	433
30.0	472
32.5	513
35.0	552
37.5	611
40.0	648
42.5	683
45.0	718
47.5	749
50.0	789
52.5	835
55.0	882
57.5	942
60.0	1020
62.5	1116
65.0	1223
67.5	1324
70.0	1161
72.5	786
75.0	358
77.5	155

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CANDELA TABULATION - (Cont.)

80.0	73
82.5	42
85.0	24
87.5	8
90.0	2
92.5	1
95.0	2
97.5	2
100.0	1
102.5	1
105.0	1
107.5	1
110.0	1
112.5	1
115.0	1
117.5	1
120.0	2
122.5	1
125.0	2
127.5	2
130.0	2
132.5	1
135.0	1
137.5	1
140.0	0
142.5	0
145.0	0
147.5	0
150.0	0
152.5	0
155.0	0
157.5	0
160.0	0
162.5	0
165.0	0
167.5	0
170.0	0
172.5	0
175.0	0
177.5	0
180.0	0

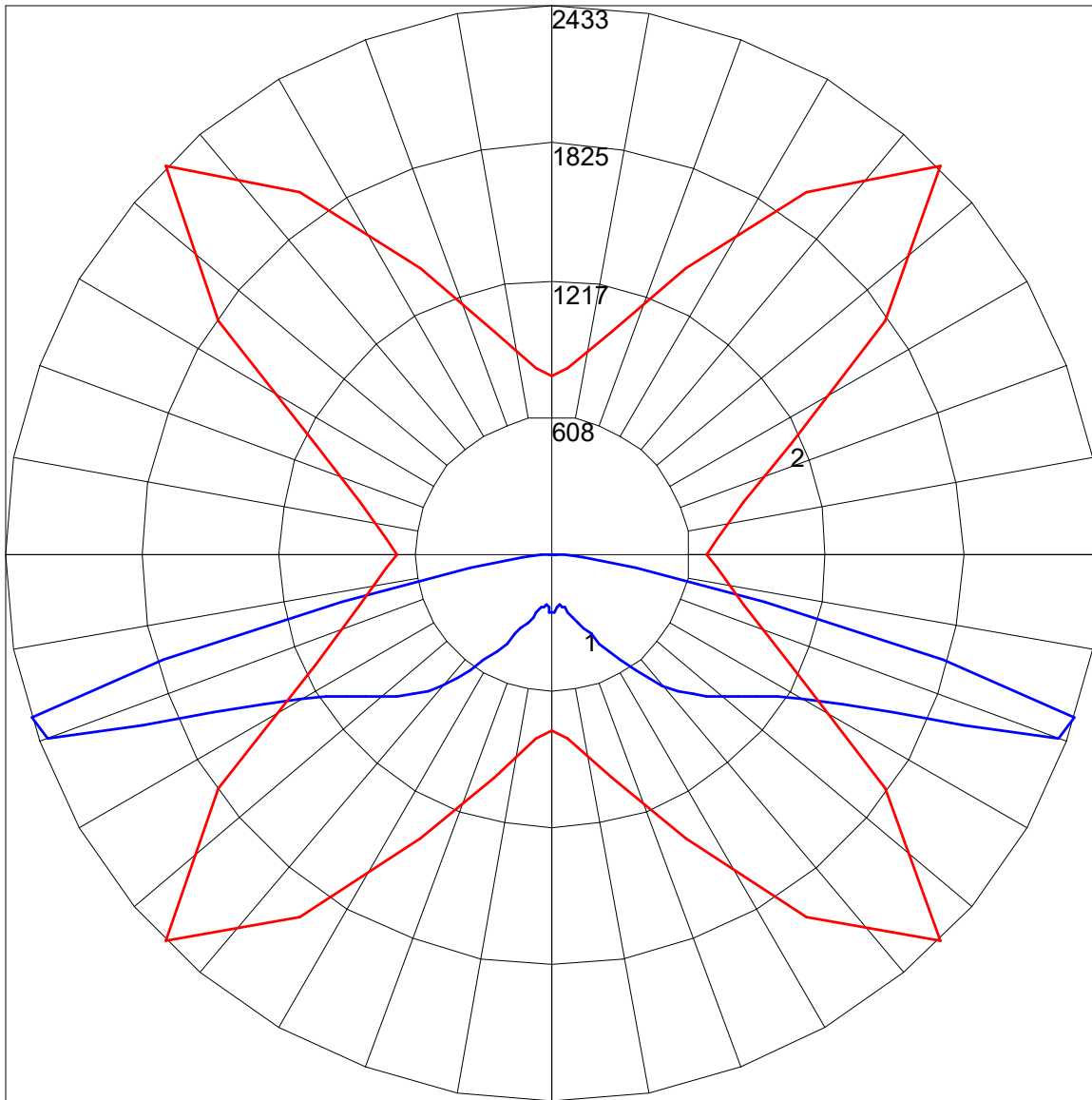
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

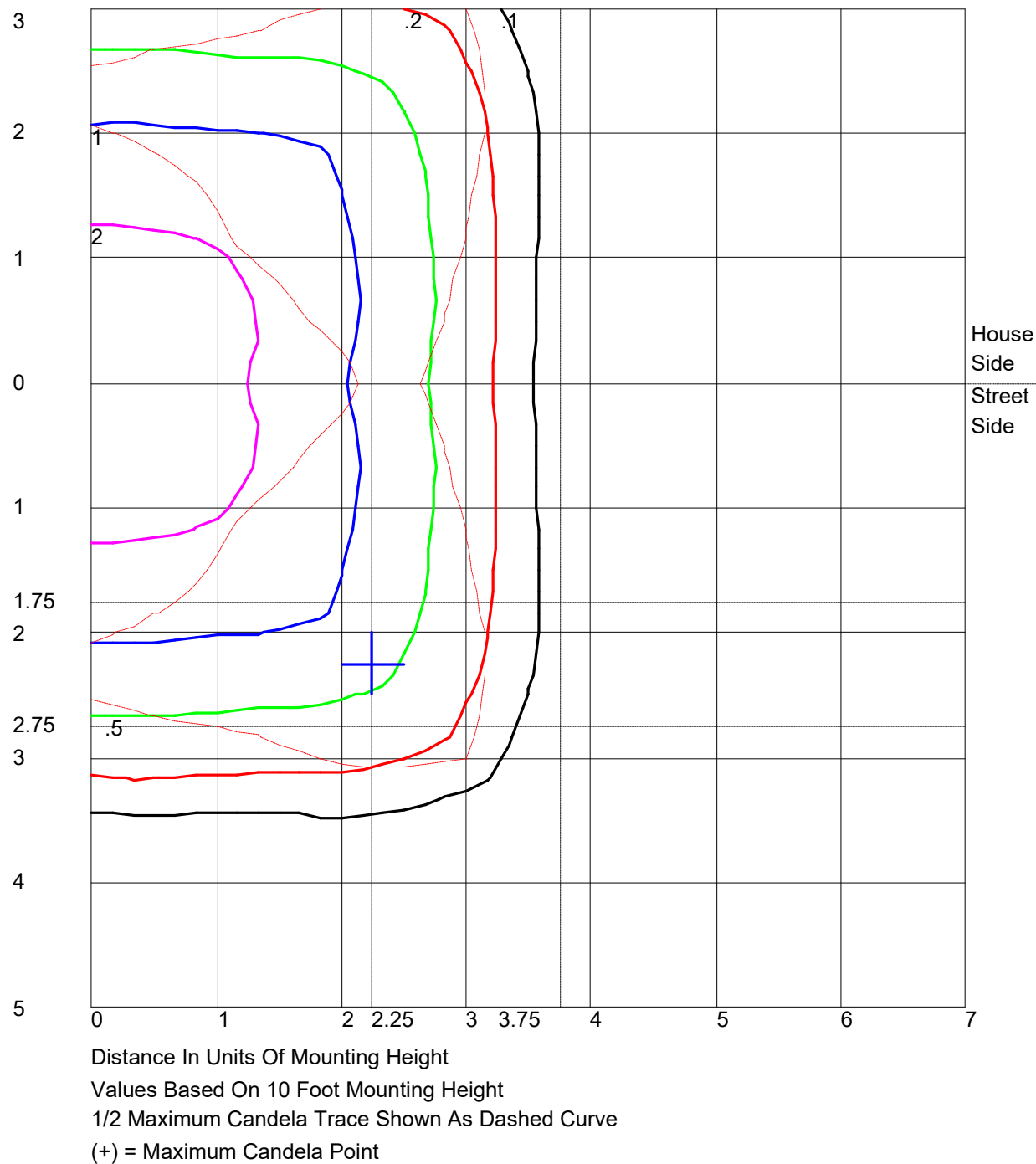
	Lumens	Percent Of Luminaire
Downward Street Side	2297.1	49.9
Downward House Side	2297.1	49.9
Downward Total	4594.2	99.8
Upward Street Side	4.4	0.1
Upward House Side	4.4	0.1
Upward Total	8.8	0.2
Total Flux	4603.0	100.0

POLAR GRAPH

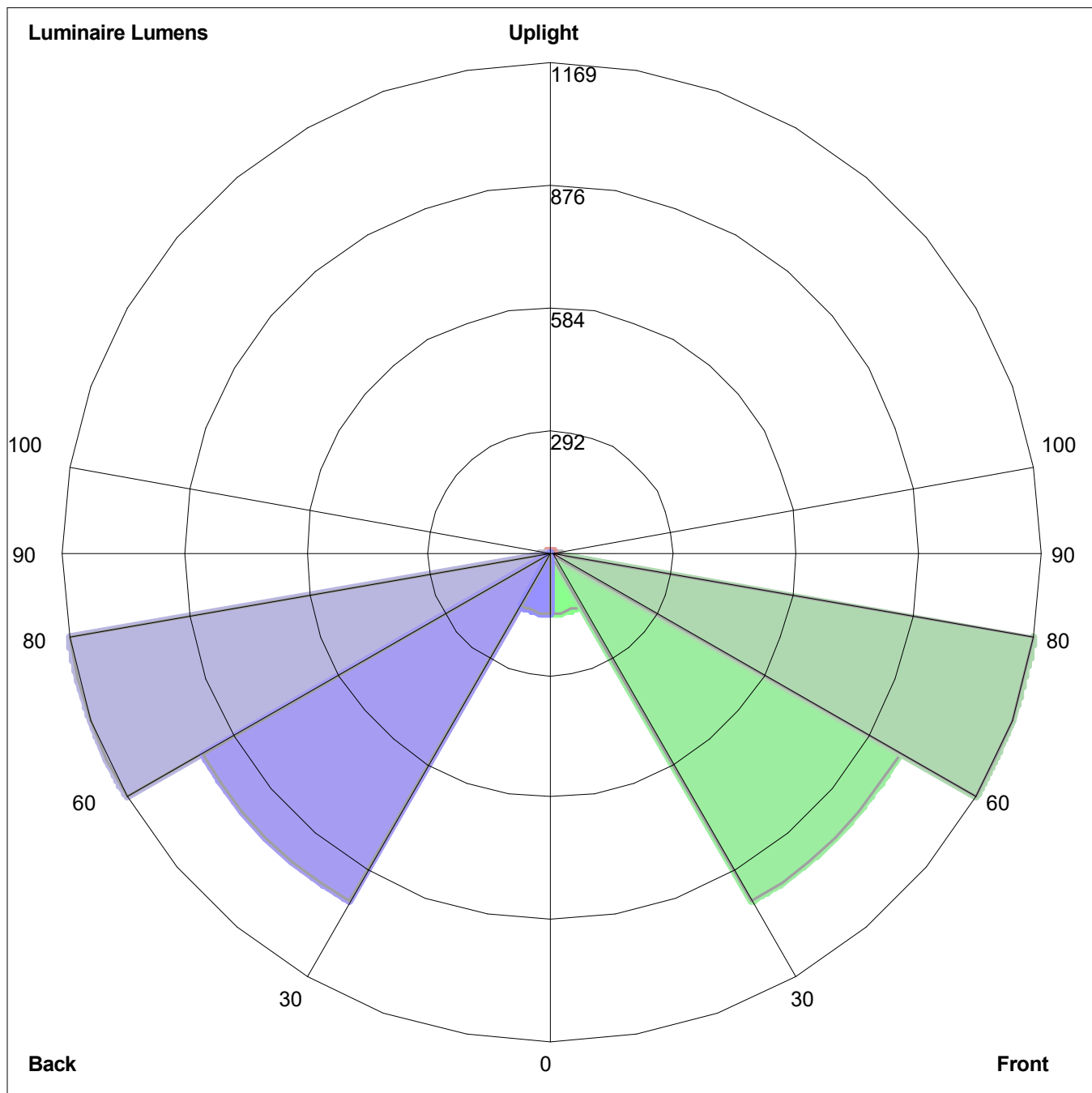


Maximum Candela = 2433 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=144.6, Medium=959.3, High=1168.6, Very High=24.7
Back: Low=144.6, Medium=959.3, High=1168.6, Very High=24.7
Uplight: Low=3.3, High=5.5

BUG Rating : B3-U1-G1