



IES ROAD REPORT

PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-05L-50.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-50

[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	5336
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	39.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2821
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	2821
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	430 (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)	167.7	N.A.	3.1
FM - Front-Medium (30-60)	1112.3	N.A.	20.8
FH - Front-High (60-80)	1354.9	N.A.	25.4
FVH - Front-Very High (80-90)	28.5	N.A.	0.5
BL - Back-Low (0-30)	167.7	N.A.	3.1
BM - Back-Medium (30-60)	1112.3	N.A.	20.8
BH - Back-High (60-80)	1354.9	N.A.	25.4
BVH - Back-Very High (80-90)	28.5	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	5335.6	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	297	297	297	297	297	297	297	297	297	297
2.5	290	292	295	298	298	298	298	297	297	297
5.0	269	271	280	283	288	280	280	279	276	275
7.5	272	272	277	268	271	262	270	284	292	280
10.0	267	273	272	259	270	274	281	285	296	287
12.5	297	299	294	284	290	280	287	296	310	314
15.0	317	322	311	322	321	311	308	313	329	329
17.5	334	346	336	339	347	350	338	334	353	359
20.0	373	380	373	372	377	378	381	357	374	388
22.5	407	402	409	408	417	421	427	404	414	429
25.0	445	437	446	452	456	460	479	474	438	463
27.5	486	493	501	499	503	517	530	533	490	511
30.0	532	527	526	547	557	587	595	601	545	557
32.5	596	605	590	599	626	653	673	673	609	592
35.0	653	648	653	663	682	741	748	735	695	652
37.5	725	733	720	723	776	808	822	807	762	707
40.0	764	778	785	802	852	887	893	886	839	746
42.5	801	814	823	867	929	954	968	940	890	781
45.0	842	859	872	910	985	1025	1024	990	937	822
47.5	889	904	914	952	1037	1083	1081	1043	988	867
50.0	937	952	958	1007	1094	1146	1142	1099	1037	913
52.5	996	1010	1018	1066	1155	1213	1209	1161	1099	970
55.0	1052	1068	1084	1136	1225	1289	1279	1230	1169	1032
57.5	1128	1152	1165	1210	1312	1381	1367	1312	1249	1103
60.0	1230	1253	1278	1314	1424	1502	1480	1417	1343	1202
62.5	1345	1367	1414	1472	1600	1684	1642	1553	1466	1315
65.0	1441	1469	1525	1634	1829	1935	1860	1727	1622	1454
67.5	1497	1530	1608	1786	2105	2294	2159	1956	1806	1586
70.0	1286	1314	1466	1754	2382	2776	2478	2057	1707	1405
72.5	799	855	1023	1349	2099	2821	2282	1621	1192	956
75.0	261	287	408	732	1440	2086	1536	935	581	440
77.5	128	131	168	266	613	1119	777	390	234	182
80.0	57	57	72	120	236	430	308	170	106	89
82.5	31	30	33	48	92	162	112	71	52	51
85.0	20	19	19	25	40	60	46	37	30	31
87.5	10	9	9	12	16	20	17	15	13	12
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

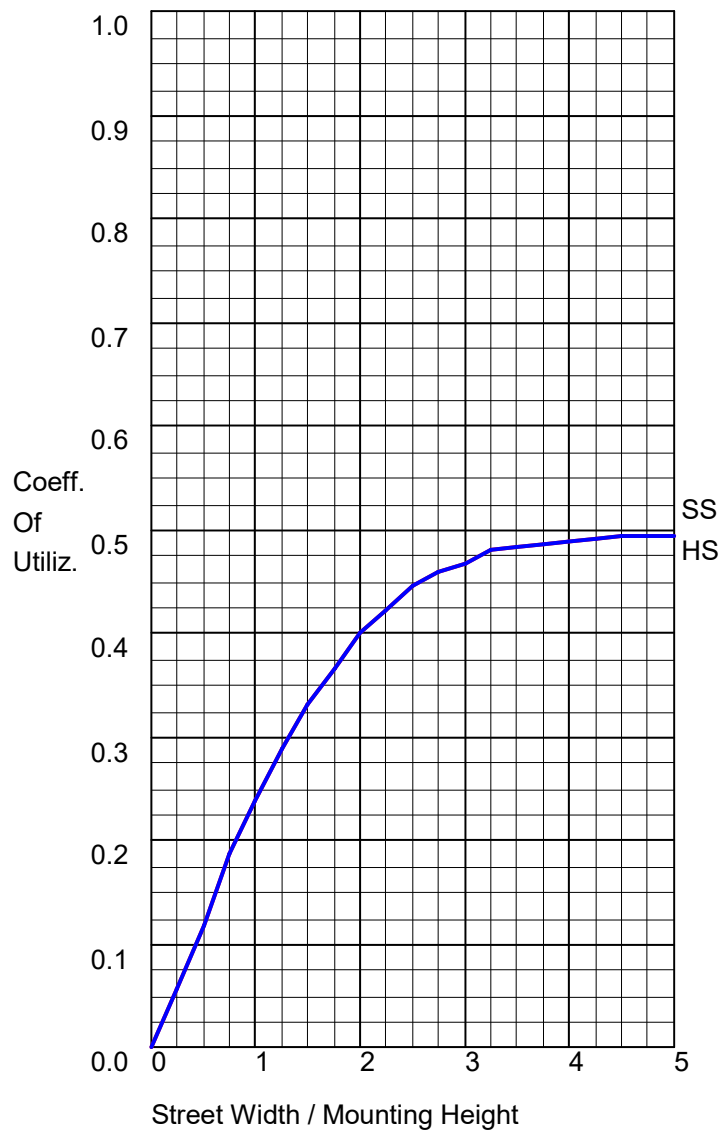
	90
0.0	297
2.5	297
5.0	276
7.5	285
10.0	289
12.5	309
15.0	337
17.5	356
20.0	394
22.5	420
25.0	472
27.5	502
30.0	547
32.5	595
35.0	640
37.5	708
40.0	752
42.5	791
45.0	832
47.5	868
50.0	915
52.5	969
55.0	1022
57.5	1093
60.0	1183
62.5	1294
65.0	1418
67.5	1536
70.0	1347
72.5	911
75.0	416
77.5	179

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CANDELA TABULATION - (Cont.)

80.0	85
82.5	48
85.0	27
87.5	9
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

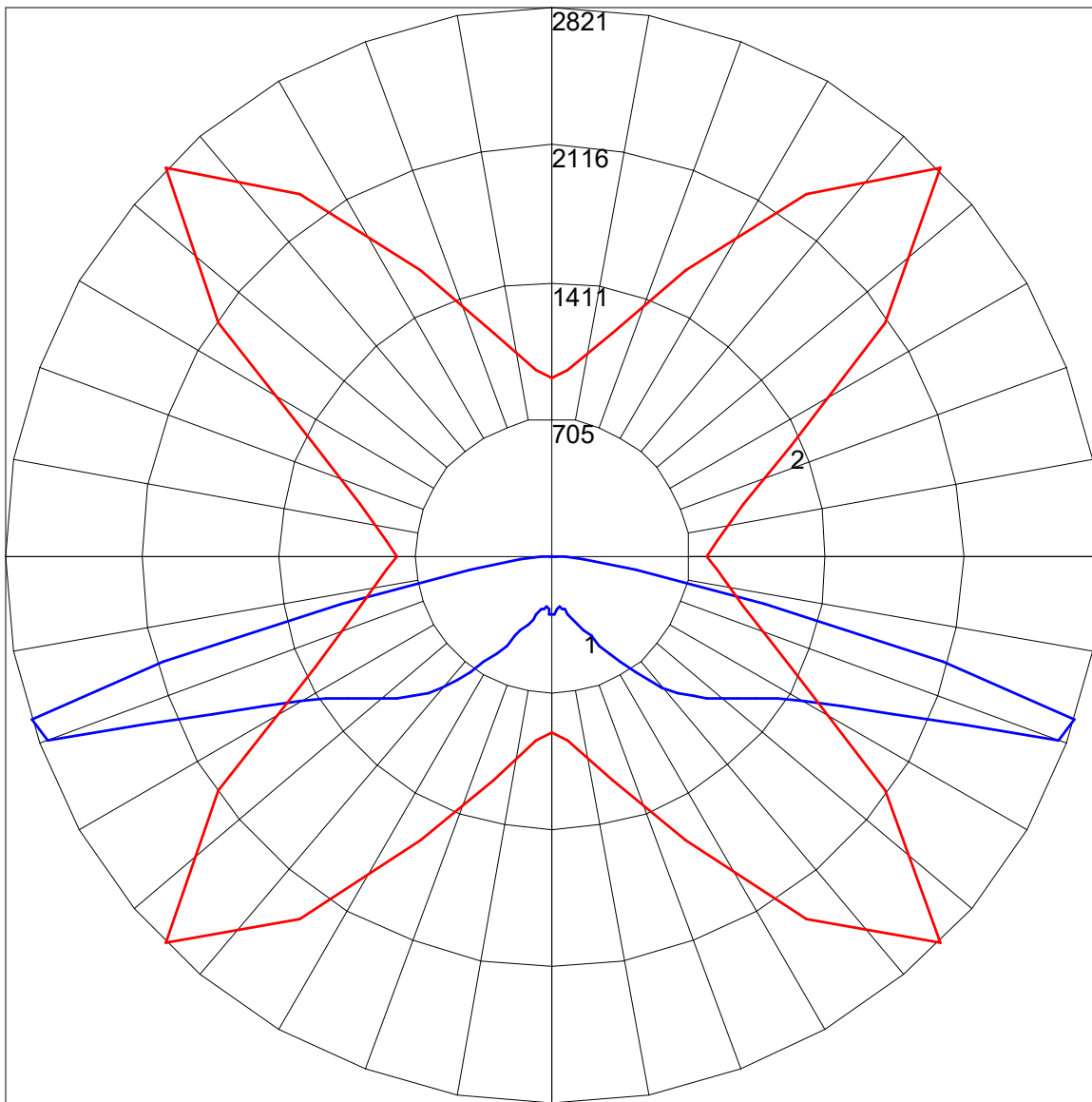
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

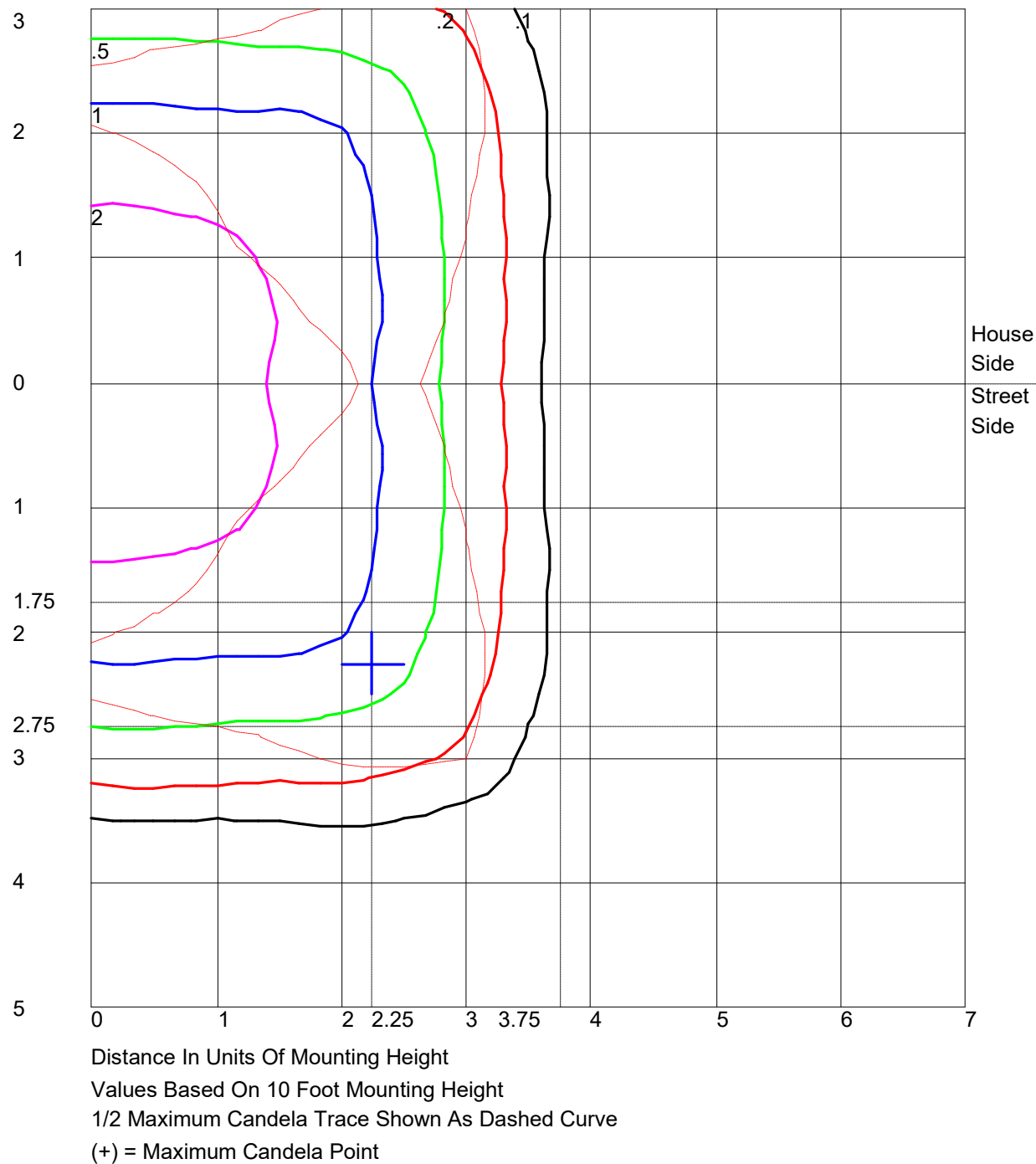
	Lumens	Percent Of Luminaire
Downward Street Side	2663.4	49.9
Downward House Side	2663.4	49.9
Downward Total	5326.8	99.8
Upward Street Side	4.4	0.1
Upward House Side	4.4	0.1
Upward Total	8.8	0.2
Total Flux	5335.6	100.0

POLAR GRAPH

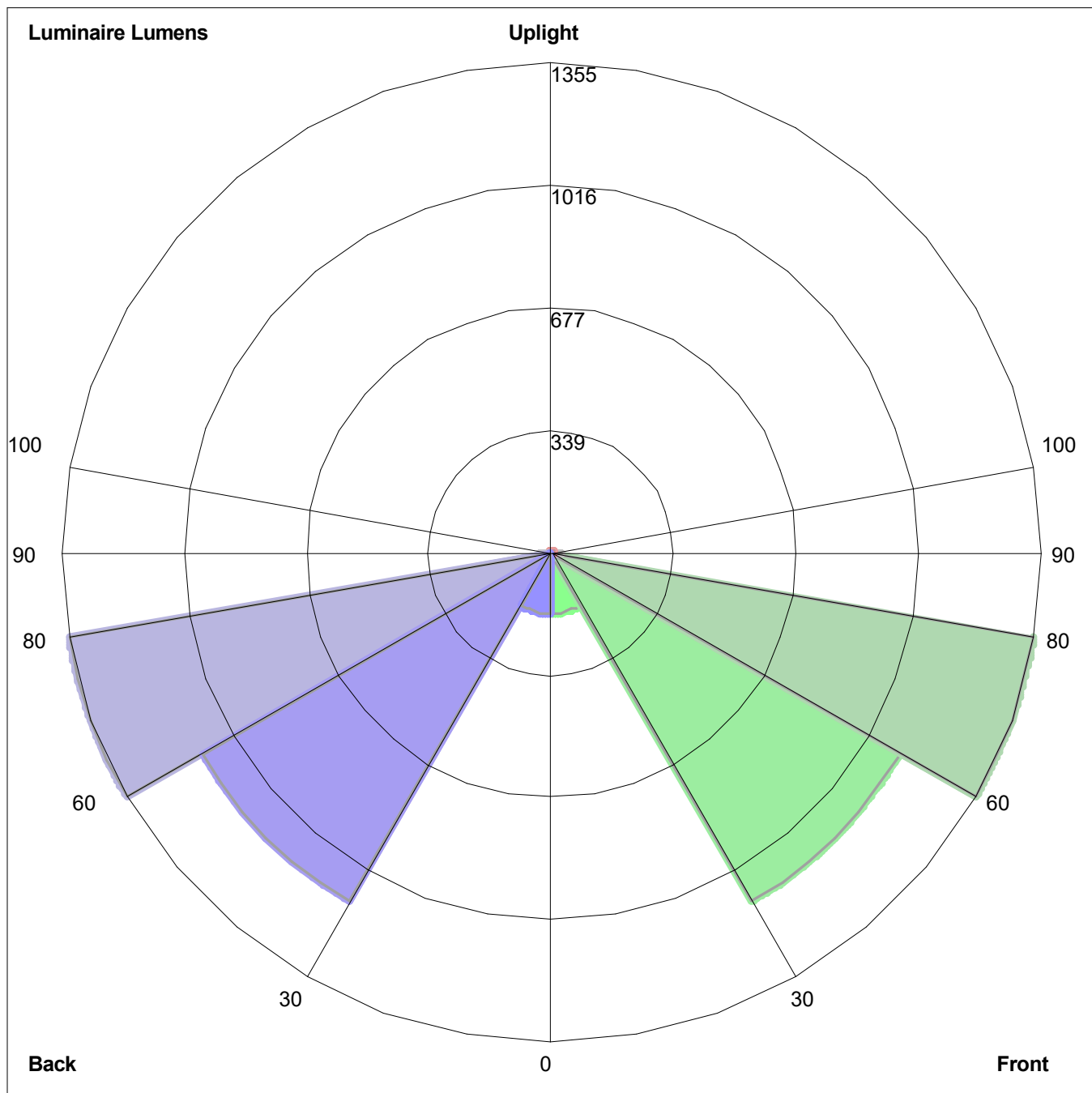


Maximum Candela = 2821 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=167.7, Medium=1112.3, High=1354.9, Very High=28.5
Back: Low=167.7, Medium=1112.3, High=1354.9, Very High=28.5
Uplight: Low=3.3, High=5.5

BUG Rating : B3-U1-G1