



IES ROAD REPORT

PHOTOMETRIC FILENAME : XENM3-PT-5-LED-SS-CW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-4699
[TESTLAB]LSI INDUSTRIES, INC
[ISS DATE]11/13/13
[TESTDATE]11/21/13
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]XENM3-PT-5-LED-SS-CW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE]LUMENS]5243
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5243
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	70
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1822
Maximum Candela Angle	45H 50V
Maximum Candela (<90 Degrees Vertical)	1822
Maximum Candela Angle (<90 Degrees Vertical)	45H 50V
Maximum Candela At 90 Degrees Vertical	4 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	407 (7.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	209.4	N.A.	4.0
FM - Front-Medium (30-60)	1358.8	N.A.	25.9
FH - Front-High (60-80)	996.5	N.A.	19.0
FVH - Front-Very High (80-90)	52.6	N.A.	1.0
BL - Back-Low (0-30)	209.4	N.A.	4.0
BM - Back-Medium (30-60)	1358.8	N.A.	25.9
BH - Back-High (60-80)	996.5	N.A.	19.0
BVH - Back-Very High (80-90)	52.6	N.A.	1.0
UL - Uplight-Low (90-100)	2.4	N.A.	0.0
UH - Uplight-High (100-180)	5.9	N.A.	0.1
Total	5242.9	N.A.	100.0
BUG Rating	B2-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	136	136	136	136	136	136	136	136	136	136
2.5	138	139	139	138	136	134	135	136	136	137
5.0	168	169	167	166	166	166	164	154	150	149
7.5	249	247	234	239	236	216	188	176	163	155
10.0	311	307	305	311	305	287	278	231	199	185
12.5	327	315	330	375	404	403	347	294	239	212
15.0	352	345	377	431	483	489	446	381	308	244
17.5	367	360	423	514	573	553	570	467	350	262
20.0	370	366	443	580	625	678	651	566	442	341
22.5	384	380	487	591	669	750	723	669	500	411
25.0	395	399	524	644	710	788	768	703	567	475
27.5	398	424	557	663	765	792	795	738	595	482
30.0	470	476	599	699	776	797	827	757	728	606
32.5	627	627	737	758	794	822	830	886	866	766
35.0	794	789	938	903	834	822	936	1066	1167	1110
37.5	892	886	1061	1042	968	855	1083	1299	1391	1273
40.0	940	941	1138	1106	1102	999	1268	1477	1441	1269
42.5	921	926	1132	1175	1211	1282	1419	1506	1346	1198
45.0	916	931	1121	1176	1324	1618	1498	1403	1291	1154
47.5	922	947	1115	1146	1425	1818	1519	1331	1198	1090
50.0	905	930	1084	1111	1541	1822	1583	1237	1163	1048
52.5	899	907	1019	1116	1618	1697	1594	1227	1120	1017
55.0	920	928	1003	1181	1613	1582	1569	1263	1113	1047
57.5	973	978	1025	1346	1540	1468	1493	1355	1172	1129
60.0	966	975	1057	1514	1502	1389	1445	1499	1250	1238
62.5	944	952	1104	1535	1471	1372	1456	1601	1320	1304
65.0	842	895	1111	1430	1424	1440	1489	1578	1225	1091
67.5	731	807	1017	1162	1364	1517	1461	1242	989	879
70.0	708	756	961	967	1227	1499	1212	1026	959	819
72.5	615	632	892	856	1172	1148	1079	927	891	721
75.0	414	461	716	749	965	921	941	831	740	544
77.5	271	325	511	576	616	728	711	574	417	266
80.0	183	222	355	404	365	373	407	311	234	122
82.5	104	135	260	250	187	136	147	158	136	63
85.0	47	62	121	88	49	40	49	48	55	28
87.5	10	12	20	13	10	9	8	8	8	6
90.0	2	2	3	3	3	4	4	3	3	2
92.5	2	2	2	2	2	3	3	3	2	1
95.0	2	2	2	2	2	3	3	3	2	1
97.5	2	2	2	2	2	3	3	2	2	1
100.0	1	1	2	2	2	2	2	2	1	1
102.5	1	1	1	1	2	2	2	2	1	1
105.0	1	1	1	1	2	2	2	1	1	1
107.5	1	1	1	2	2	2	2	1	1	1
110.0	1	1	1	1	2	2	2	1	1	1
112.5	1	1	1	2	2	2	2	1	1	1
115.0	1	1	1	2	2	2	2	1	1	1
117.5	2	2	2	2	2	2	2	2	1	1
120.0	1	1	2	2	2	2	2	2	1	1
122.5	2	2	2	2	2	2	2	2	2	1
125.0	2	1	2	2	2	2	2	2	1	1
127.5	1	1	2	2	2	2	2	2	1	1
130.0	2	2	2	2	2	2	2	2	2	1

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CANDELA TABULATION - (Cont.)

132.5	2	2	2	2	2	2	2	2	2	1
135.0	1	1	2	2	2	2	2	2	1	1
137.5	1	1	1	1	2	1	1	1	1	1
140.0	1	0	1	1	1	1	1	0	0	0
142.5	0	0	0	1	1	1	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	1	1	0	0	0	0	0
150.0	0	0	0	0	1	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	1	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

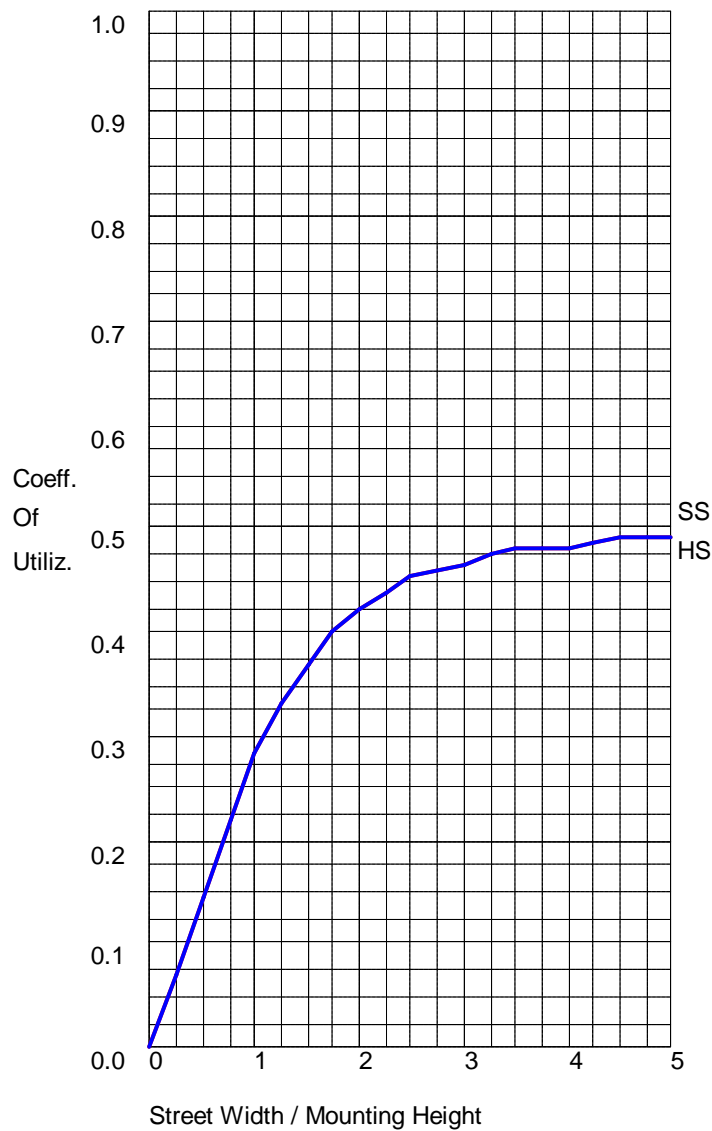
	<u>90</u>
0.0	136
2.5	136
5.0	149
7.5	153
10.0	185
12.5	207
15.0	241
17.5	257
20.0	323
22.5	426
25.0	494
27.5	499
30.0	609
32.5	745
35.0	1068
37.5	1248
40.0	1237
42.5	1153
45.0	1095
47.5	1044
50.0	1010
52.5	991
55.0	1005
57.5	1090
60.0	1201
62.5	1264
65.0	1038
67.5	844
70.0	787
72.5	696
75.0	520
77.5	224

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CANDELA TABULATION - (Cont.)

80.0	87
82.5	32
85.0	15
87.5	4
90.0	1
92.5	1
95.0	1
97.5	1
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	1
122.5	1
125.0	1
127.5	1
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

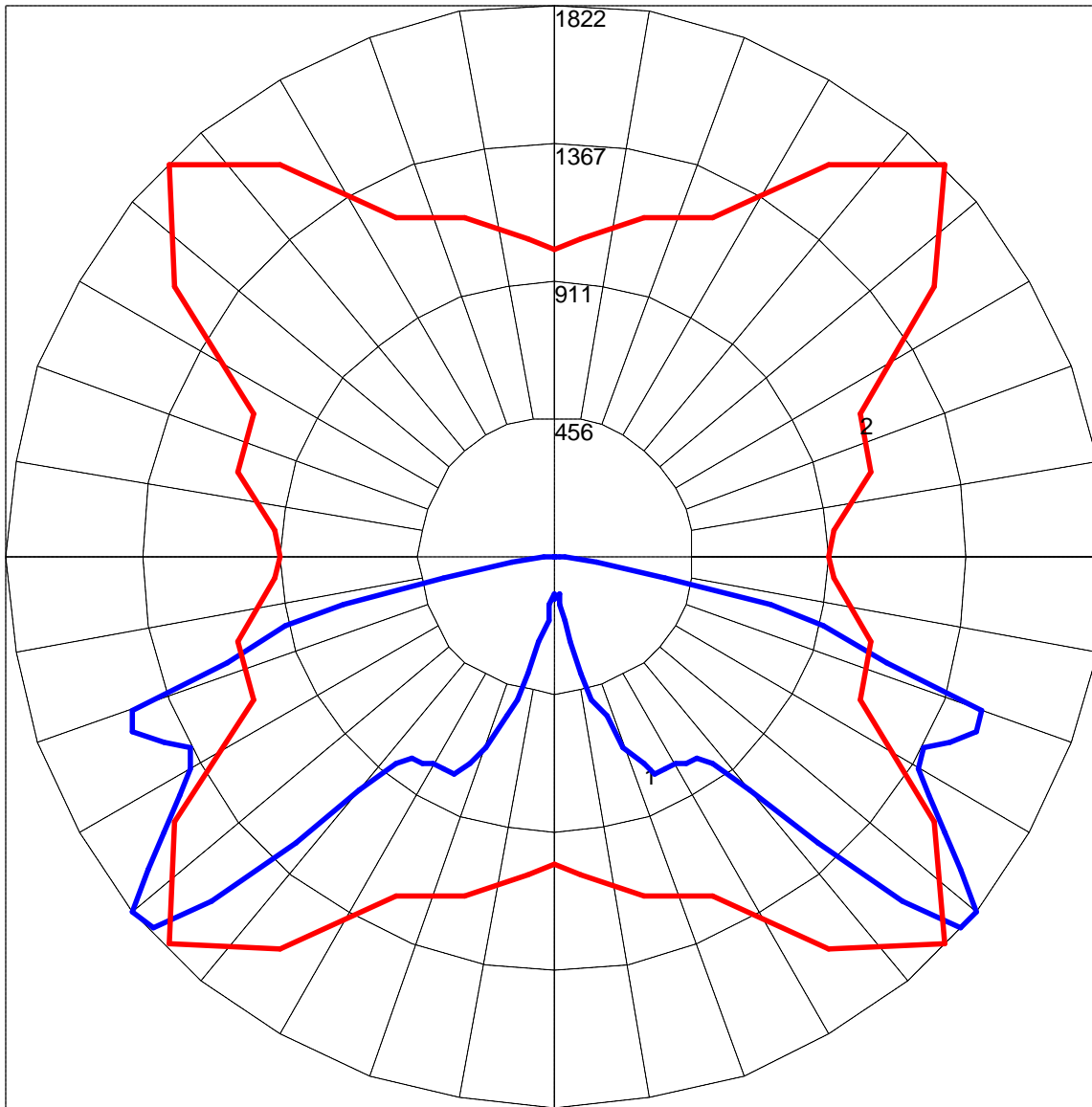
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

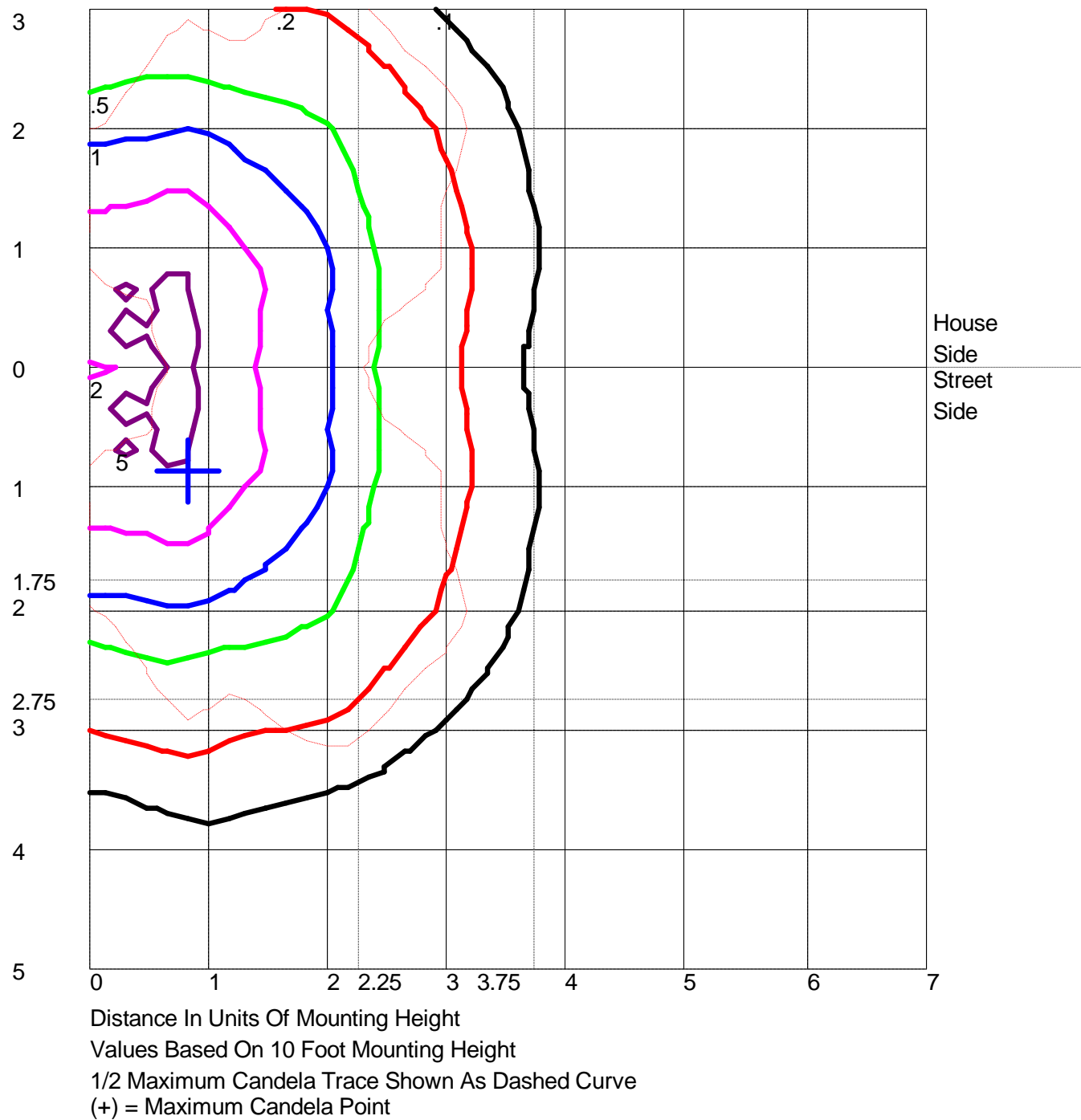
	Lumens	Percent Of Luminaire
Downward Street Side	2617.3	49.9
Downward House Side	2617.3	49.9
Downward Total	5234.6	99.8
Upward Street Side	4.2	0.1
Upward House Side	4.2	0.1
Upward Total	8.4	0.2
Total Flux	5243.0	100.0

POLAR GRAPH

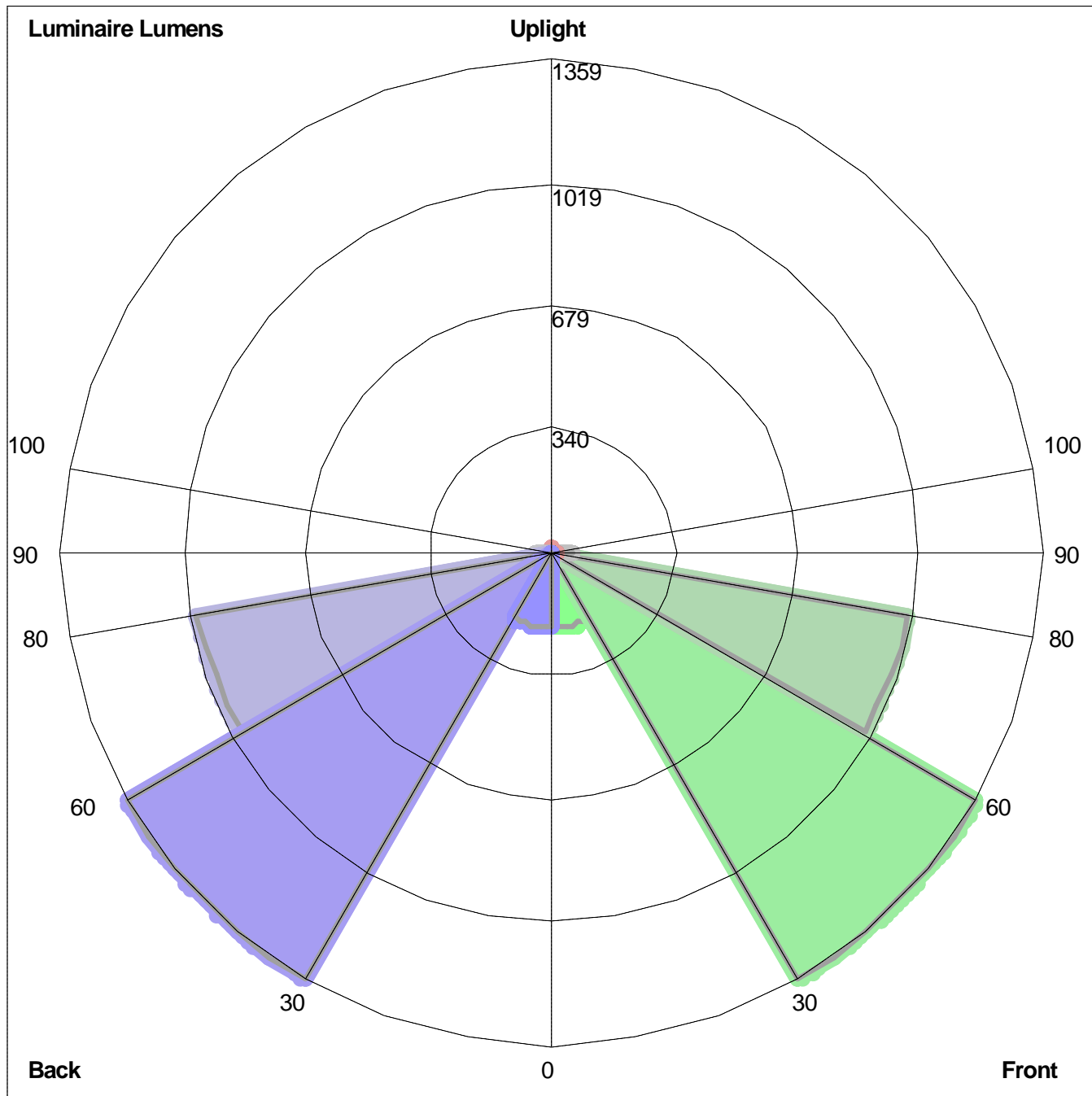


Maximum Candela = 1822 Located At Horizontal Angle = 45, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=209.4, Medium=1358.8, High=996.5, Very High=52.6
Back: Low=209.4, Medium=1358.8, High=996.5, Very High=52.6
Uplight: Low=2.4, High=5.9

BUG Rating : B2-U1-G1