



IES ROAD REPORT

PHOTOMETRIC FILENAME : ENM4-PT-5W-LED-25L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11750

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 06/10/2020

[TEST DATE] 04/24/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] ENM4-PT-5W-LED-25L-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	27208
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	227.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	13110
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	13110
Maximum Candela Angle (<90 Degrees Vertical)	45H 70V
Maximum Candela At 90 Degrees Vertical	25 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1195 (4.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	829.2	N.A.	3.0
FM - Front-Medium (30-60)	6481.7	N.A.	23.8
FH - Front-High (60-80)	6153.5	N.A.	22.6
FVH - Front-Very High (80-90)	112.6	N.A.	0.4
BL - Back-Low (0-30)	829.2	N.A.	3.0
BM - Back-Medium (30-60)	6481.7	N.A.	23.8
BH - Back-High (60-80)	6153.5	N.A.	22.6
BVH - Back-Very High (80-90)	112.6	N.A.	0.4
UL - Uplight-Low (90-100)	16.9	N.A.	0.1
UH - Uplight-High (100-180)	37.3	N.A.	0.1
Total	27208.2	N.A.	100.0
BUG Rating	B5-U2-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157
2.5	1141	1144	1154	1166	1164	1160	1159	1152	1157	1157
5.0	1087	1100	1121	1126	1146	1110	1123	1113	1106	1100
7.5	1076	1096	1124	1071	1096	1075	1102	1148	1169	1145
10.0	1132	1149	1159	1092	1128	1145	1175	1168	1238	1195
12.5	1280	1322	1266	1242	1274	1253	1264	1273	1309	1314
15.0	1420	1473	1425	1457	1490	1443	1429	1402	1431	1426
17.5	1552	1603	1582	1608	1667	1701	1622	1587	1626	1606
20.0	1780	1820	1789	1834	1882	1913	1892	1809	1823	1812
22.5	1959	1964	2025	2080	2125	2157	2207	2090	2072	2102
25.0	2178	2147	2235	2365	2424	2470	2530	2448	2303	2356
27.5	2430	2513	2617	2648	2743	2822	2856	2808	2648	2644
30.0	2759	2718	2810	3005	3077	3279	3303	3218	3016	2992
32.5	3213	3261	3223	3285	3522	3685	3776	3669	3437	3247
35.0	3609	3584	3591	3764	3920	4213	4272	4110	3930	3623
37.5	4086	4092	4055	4124	4440	4657	4732	4588	4285	3997
40.0	4388	4440	4471	4637	4898	5127	5205	5080	4762	4258
42.5	4656	4725	4781	4971	5380	5512	5632	5427	5091	4528
45.0	4924	5003	5070	5340	5721	5955	5973	5757	5422	4836
47.5	5218	5295	5432	5639	6078	6281	6279	6084	5750	5148
50.0	5523	5609	5775	5946	6353	6598	6643	6469	6152	5517
52.5	5795	5903	6088	6291	6658	6940	7001	6854	6552	5894
55.0	6123	6258	6450	6680	7033	7362	7454	7336	7013	6417
57.5	6602	6696	6896	7185	7585	8001	8160	7977	7625	6944
60.0	7127	7187	7448	7755	8359	8945	8959	8551	7993	7235
62.5	7468	7581	7885	8339	9180	9948	9772	8896	8161	7316
65.0	7550	7684	8098	8793	10094	11124	10333	9070	8198	7262
67.5	6586	6770	7445	8652	10739	12421	11077	9347	8082	6943
70.0	4629	4789	5420	7062	10315	13110	11111	8505	6598	5259
72.5	2537	2656	3234	4420	7803	11159	8770	5871	3981	2985
75.0	1010	1052	1273	2043	4470	7173	4984	2936	1751	1317
77.5	464	484	567	846	1780	3103	2136	1297	772	609
80.0	242	249	280	401	754	1195	942	585	371	339
82.5	172	173	186	233	330	438	360	315	256	250
85.0	117	117	126	153	200	222	207	198	162	159
87.5	67	66	70	80	96	102	94	88	73	64
90.0	16	16	20	19	22	25	23	20	18	13
92.5	12	12	15	16	20	24	23	21	18	13
95.0	10	10	13	14	18	22	21	19	16	10
97.5	9	9	10	12	14	18	18	16	14	9
100.0	7	7	8	9	12	14	14	13	10	7
102.5	6	7	8	8	9	12	12	10	9	6
105.0	6	6	7	8	9	10	9	9	8	6
107.5	6	6	7	8	8	9	9	8	8	6
110.0	6	7	8	8	8	8	8	8	8	6
112.5	7	7	8	8	9	9	8	8	8	7
115.0	7	7	8	9	9	9	9	9	8	7
117.5	8	8	9	10	10	10	9	9	9	8
120.0	8	9	10	10	12	12	10	10	9	9
122.5	9	9	10	12	13	13	10	10	10	9
125.0	10	10	12	13	13	13	10	10	12	10
127.5	10	10	12	13	13	13	10	10	10	12
130.0	10	10	13	13	13	13	10	12	12	12

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CANDELA TABULATION - (Cont.)

132.5	10	10	12	12	12	12	10	10	12	10
135.0	9	9	10	10	10	9	8	9	9	9
137.5	6	6	6	6	6	6	5	5	6	6
140.0	3	3	3	3	3	2	2	3	3	3
142.5	3	3	3	3	3	2	2	2	3	3
145.0	3	3	3	3	2	2	2	2	2	3
147.5	3	3	3	3	2	2	2	2	3	3
150.0	3	3	3	3	2	2	2	2	2	3
152.5	3	3	3	3	2	2	2	2	3	3
155.0	3	3	3	2	2	2	2	2	2	2
157.5	2	2	2	2	2	2	2	2	2	2
160.0	2	2	2	2	2	2	2	2	2	2
162.5	2	2	2	2	2	1	2	2	2	2
165.0	2	2	2	2	1	1	2	2	2	2
167.5	2	2	2	2	1	1	2	2	2	2
170.0	2	2	2	2	1	1	2	2	2	2
172.5	1	1	2	1	1	1	1	1	2	2
175.0	1	1	2	1	1	1	1	1	2	2
177.5	1	1	1	1	1	1	1	1	1	2
180.0	1	1	1	1	1	1	1	1	1	1

Vert. Horizontal Angles

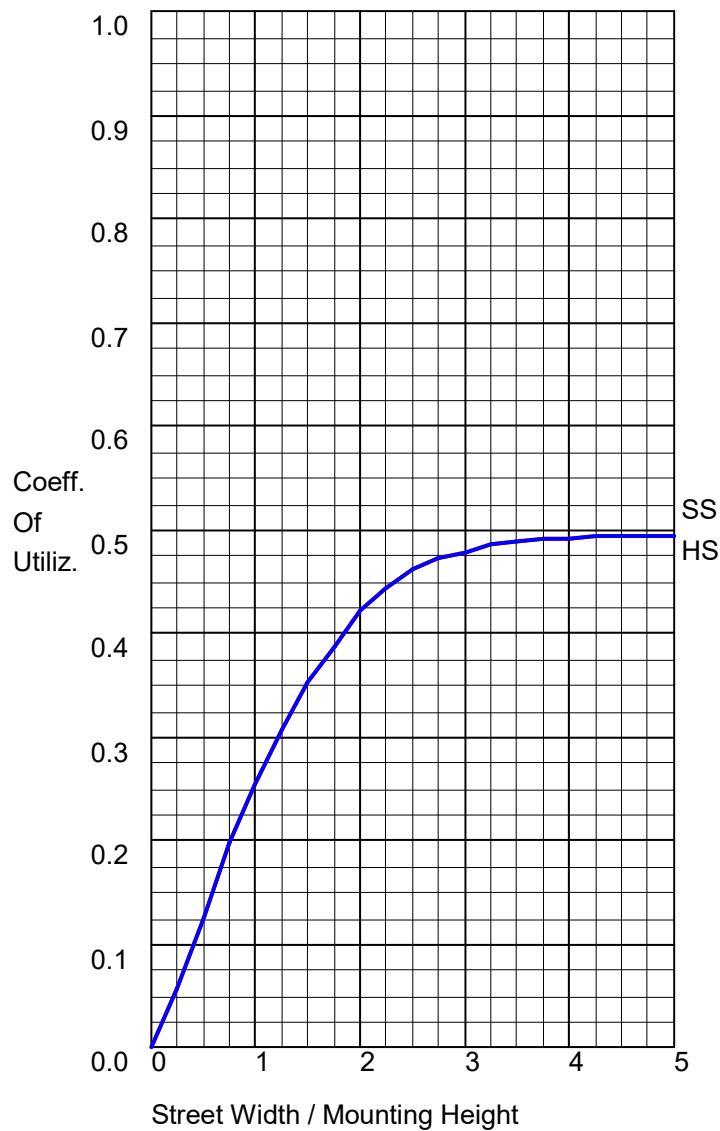
	90
0.0	1157
2.5	1151
5.0	1109
7.5	1161
10.0	1195
12.5	1316
15.0	1435
17.5	1592
20.0	1823
22.5	2071
25.0	2339
27.5	2629
30.0	2922
32.5	3247
35.0	3572
37.5	3960
40.0	4248
42.5	4517
45.0	4818
47.5	5113
50.0	5484
52.5	5867
55.0	6268
57.5	6729
60.0	6907
62.5	6980
65.0	6893
67.5	6565
70.0	4937
72.5	2812
75.0	1248
77.5	579

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CANDELA TABULATION - (Cont.)

80.0	330
82.5	241
85.0	151
87.5	53
90.0	9
92.5	9
95.0	8
97.5	7
100.0	6
102.5	6
105.0	6
107.5	6
110.0	7
112.5	7
115.0	8
117.5	8
120.0	9
122.5	9
125.0	10
127.5	12
130.0	10
132.5	10
135.0	9
137.5	6
140.0	3
142.5	3
145.0	3
147.5	3
150.0	3
152.5	3
155.0	3
157.5	2
160.0	2
162.5	2
165.0	2
167.5	2
170.0	2
172.5	2
175.0	2
177.5	2
180.0	1

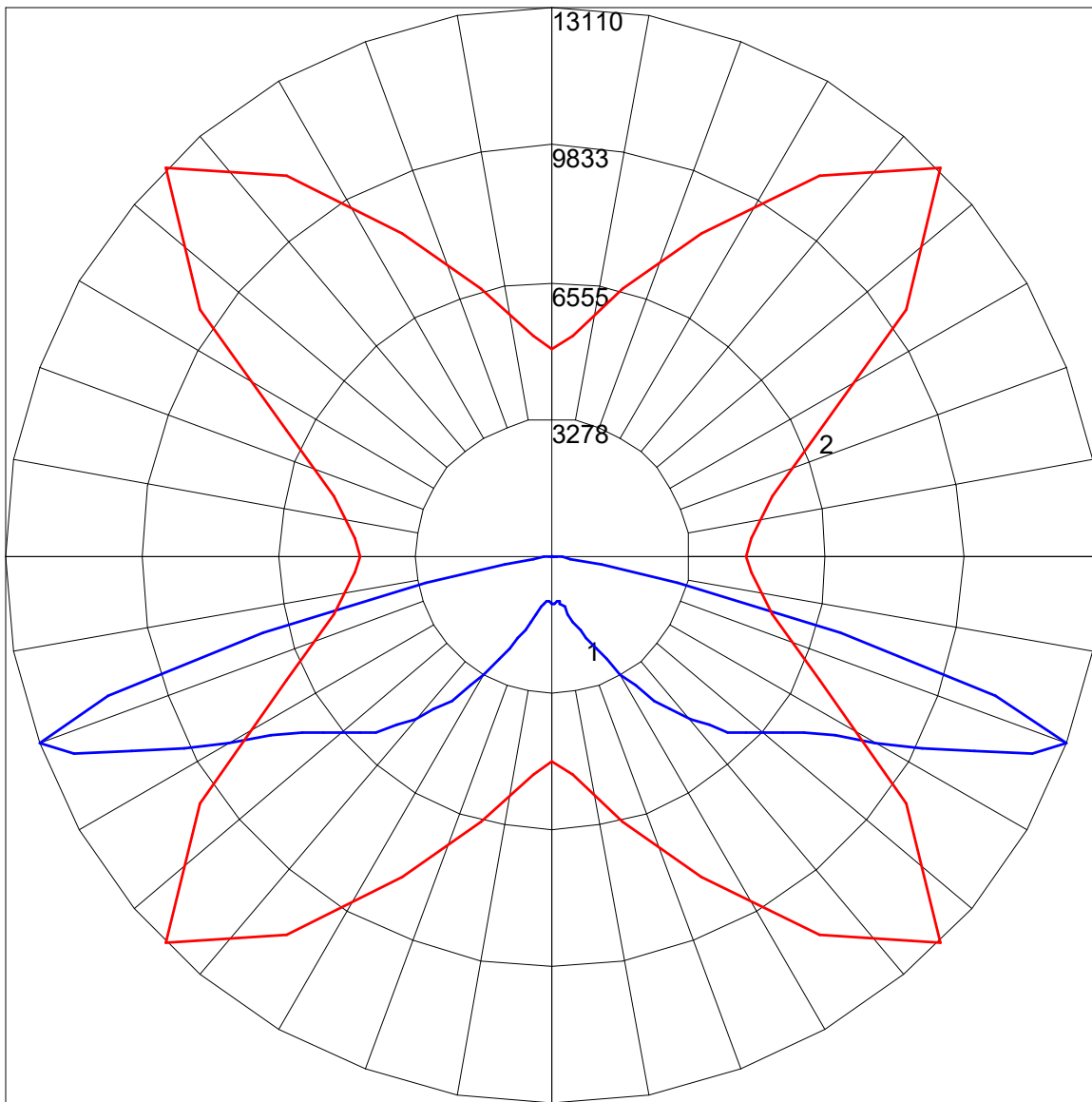
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

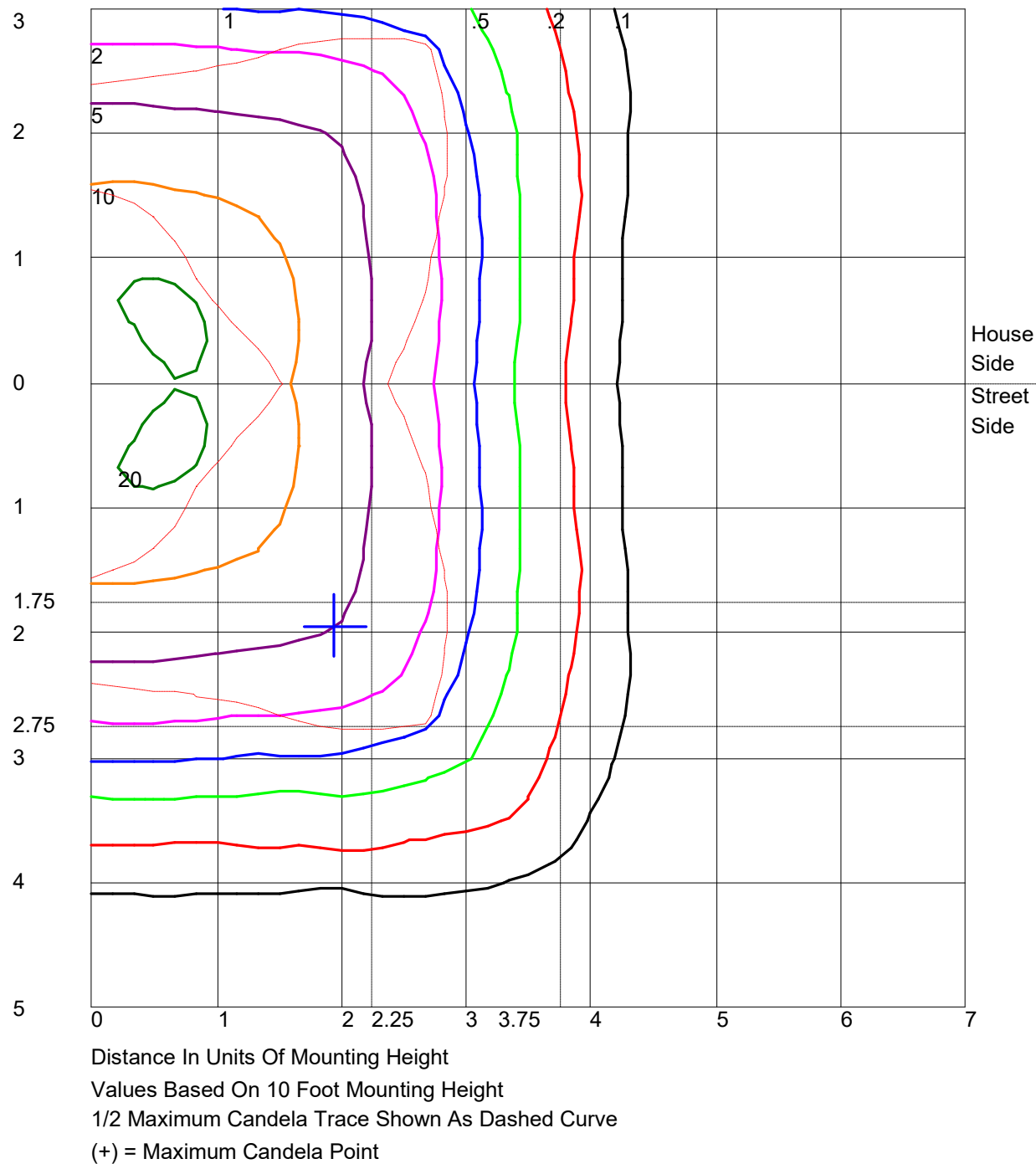
	Lumens	Percent Of Luminaire
Downward Street Side	13577.0	49.9
Downward House Side	13577.0	49.9
Downward Total	27154.0	99.8
Upward Street Side	27.1	0.1
Upward House Side	27.1	0.1
Upward Total	54.2	0.2
Total Flux	27208.2	100.0

POLAR GRAPH

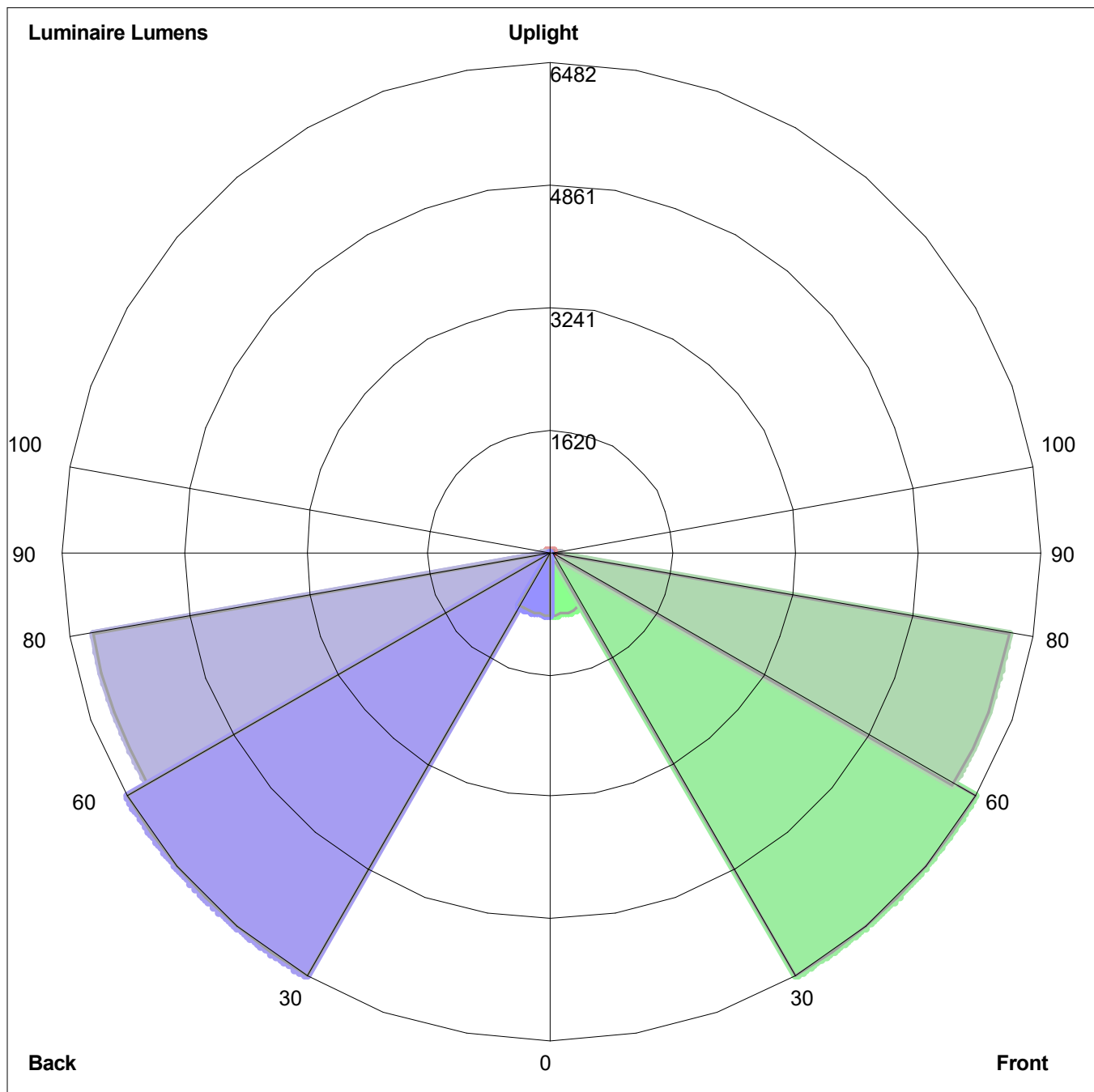


Maximum Candela = 13110 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=829.2, Medium=6481.7, High=6153.5, Very High=112.6
Back: Low=829.2, Medium=6481.7, High=6153.5, Very High=112.6
Uplight: Low=16.9, High=37.3

BUG Rating : B5-U2-G3