



IES ROAD REPORT
PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-25L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11749
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/10/20
[TEST DATE] 04/24/20
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMCAT] LXM4-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	27284
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	227.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	13130
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	13130
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	1194 (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)	831.4	N.A.	3.0
FM - Front-Medium (30-60)	6495.7	N.A.	23.8
FH - Front-High (60-80)	6173.4	N.A.	22.6
FVH - Front-Very High (80-90)	113.5	N.A.	0.4
BL - Back-Low (0-30)	831.4	N.A.	3.0
BM - Back-Medium (30-60)	6495.7	N.A.	23.8
BH - Back-High (60-80)	6173.4	N.A.	22.6
BVH - Back-Very High (80-90)	113.5	N.A.	0.4
UL - Uplight-Low (90-100)	17.7	N.A.	0.1
UH - Uplight-High (100-180)	38.9	N.A.	0.1
Total	27284.6	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	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163
2.5	1143	1146	1158	1171	1169	1167	1164	1159	1160	1158
5.0	1093	1106	1122	1130	1152	1120	1127	1114	1108	1104
7.5	1078	1102	1130	1073	1099	1075	1103	1154	1176	1151
10.0	1130	1150	1164	1098	1129	1150	1172	1170	1243	1204
12.5	1279	1327	1269	1247	1279	1256	1257	1268	1311	1319
15.0	1412	1473	1427	1466	1493	1443	1426	1400	1437	1430
17.5	1556	1607	1580	1617	1667	1692	1632	1600	1626	1613
20.0	1785	1821	1791	1831	1880	1917	1911	1815	1818	1821
22.5	1964	1980	2025	2073	2118	2173	2219	2100	2088	2105
25.0	2177	2157	2241	2357	2430	2478	2541	2457	2316	2346
27.5	2432	2525	2616	2659	2755	2837	2873	2816	2652	2648
30.0	2765	2739	2821	3011	3099	3287	3308	3232	3019	2999
32.5	3196	3246	3226	3304	3527	3686	3783	3683	3438	3249
35.0	3605	3575	3636	3773	3935	4205	4269	4109	3927	3659
37.5	4045	4124	4054	4142	4459	4685	4748	4589	4293	4022
40.0	4384	4458	4490	4647	4929	5147	5187	5060	4782	4269
42.5	4686	4727	4801	5003	5382	5532	5632	5443	5106	4543
45.0	4963	5010	5097	5357	5754	5965	5977	5770	5408	4851
47.5	5261	5313	5425	5646	6067	6272	6308	6116	5778	5165
50.0	5567	5625	5779	5945	6347	6615	6663	6464	6161	5510
52.5	5827	5933	6106	6287	6686	6978	7037	6895	6543	5912
55.0	6149	6263	6460	6686	7029	7376	7483	7357	7034	6411
57.5	6600	6711	6928	7208	7581	7997	8167	7998	7626	6978
60.0	7102	7217	7436	7780	8417	8949	8971	8545	8020	7254
62.5	7433	7585	7887	8372	9263	10045	9784	8899	8169	7369
65.0	7512	7716	8128	8841	10146	11133	10377	9105	8214	7292
67.5	6545	6820	7449	8621	10818	12442	11129	9369	8143	6954
70.0	4553	4767	5492	7074	10306	13130	11171	8549	6569	5348
72.5	2462	2619	3228	4525	7772	11113	8744	5822	3944	3065
75.0	977	1043	1328	2026	4522	7194	5030	2912	1782	1326
77.5	466	489	568	843	1785	3194	2195	1309	782	604
80.0	251	254	280	397	748	1194	970	619	374	340
82.5	176	175	187	232	329	439	368	322	255	249
85.0	118	119	127	152	198	226	212	197	163	160
87.5	65	65	71	82	98	100	92	86	72	67
90.0	16	16	20	20	22	25	23	21	18	14
92.5	12	12	15	16	20	25	24	21	18	13
95.0	12	12	14	15	18	23	22	20	17	12
97.5	10	10	12	13	15	19	18	17	14	9
100.0	8	8	9	10	12	15	15	14	12	8
102.5	7	7	9	9	10	12	13	12	9	7
105.0	7	7	8	8	10	10	10	10	8	7
107.5	7	7	8	8	9	9	9	9	8	6
110.0	7	7	8	9	9	9	8	8	8	7
112.5	7	7	8	9	9	9	8	9	8	7
115.0	8	8	9	9	10	9	9	9	8	8
117.5	8	8	9	10	12	10	9	9	9	8
120.0	9	9	10	12	12	12	10	10	10	9
122.5	9	9	12	12	13	13	12	10	10	9
125.0	10	10	12	13	13	13	12	10	12	10
127.5	10	10	12	13	13	13	10	10	10	10
130.0	10	10	12	13	13	13	10	10	12	10

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CANDELA TABULATION - (Cont.)

132.5	10	10	12	13	13	12	10	10	12	12
135.0	10	9	10	10	10	10	8	9	10	10
137.5	6	6	7	7	7	6	5	6	6	6
140.0	3	3	4	4	3	3	3	3	3	3
142.5	3	3	3	3	3	2	2	3	3	3
145.0	3	3	3	3	3	2	2	3	3	3
147.5	3	3	3	3	3	2	2	3	3	3
150.0	3	3	3	3	2	2	2	2	3	3
152.5	3	3	3	3	2	2	2	2	3	3
155.0	3	3	3	2	2	2	2	2	3	3
157.5	3	3	3	2	2	2	2	2	2	2
160.0	2	3	2	2	2	2	2	2	2	2
162.5	3	2	3	2	2	2	2	2	2	2
165.0	2	2	2	2	2	1	2	2	2	2
167.5	2	2	2	2	2	1	2	2	2	2
170.0	2	2	2	2	1	1	1	2	2	2
172.5	2	2	2	2	2	1	1	2	2	2
175.0	2	2	2	1	1	1	1	1	2	2
177.5	1	1	1	1	1	1	1	1	1	1
180.0	1	1	1	1	1	1	1	1	1	1

Vert. Horizontal Angles

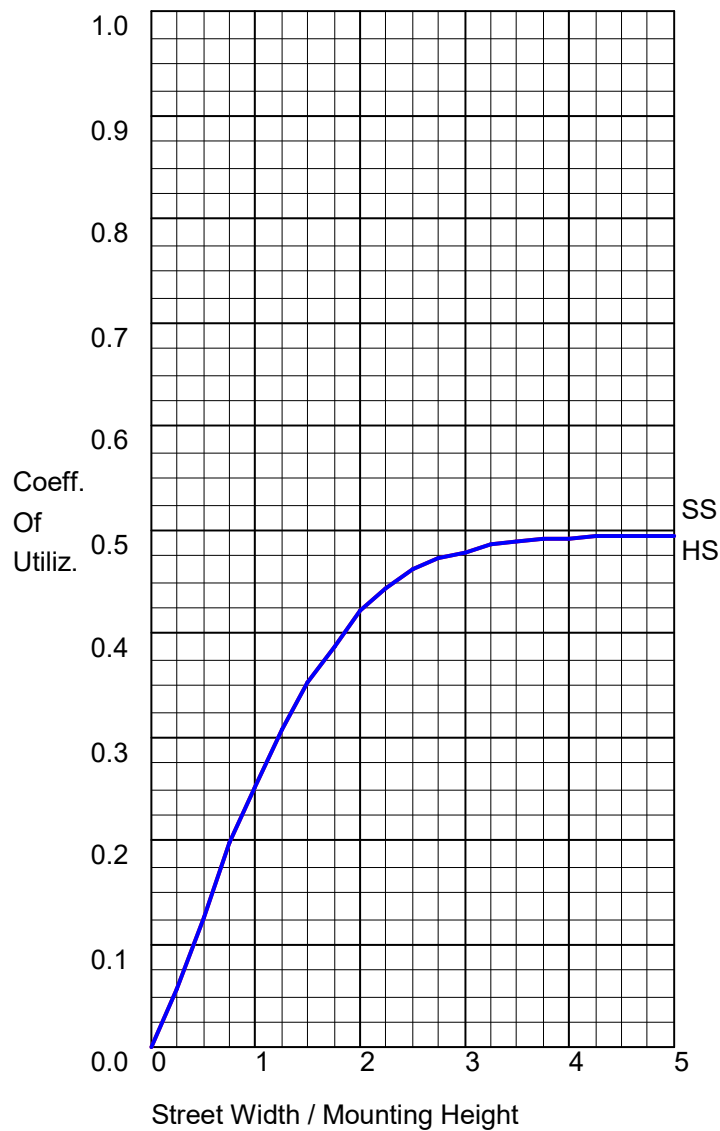
	<u>90</u>
0.0	1163
2.5	1158
5.0	1113
7.5	1162
10.0	1199
12.5	1320
15.0	1442
17.5	1606
20.0	1832
22.5	2067
25.0	2350
27.5	2600
30.0	2949
32.5	3259
35.0	3588
37.5	3982
40.0	4257
42.5	4526
45.0	4840
47.5	5141
50.0	5478
52.5	5874
55.0	6261
57.5	6751
60.0	6939
62.5	6998
65.0	6900
67.5	6573
70.0	5020
72.5	2962
75.0	1263
77.5	568

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CANDELA TABULATION - (Cont.)

80.0	327
82.5	238
85.0	148
87.5	60
90.0	9
92.5	10
95.0	9
97.5	8
100.0	7
102.5	6
105.0	7
107.5	6
110.0	7
112.5	7
115.0	8
117.5	8
120.0	9
122.5	10
125.0	10
127.5	10
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	1
180.0	1

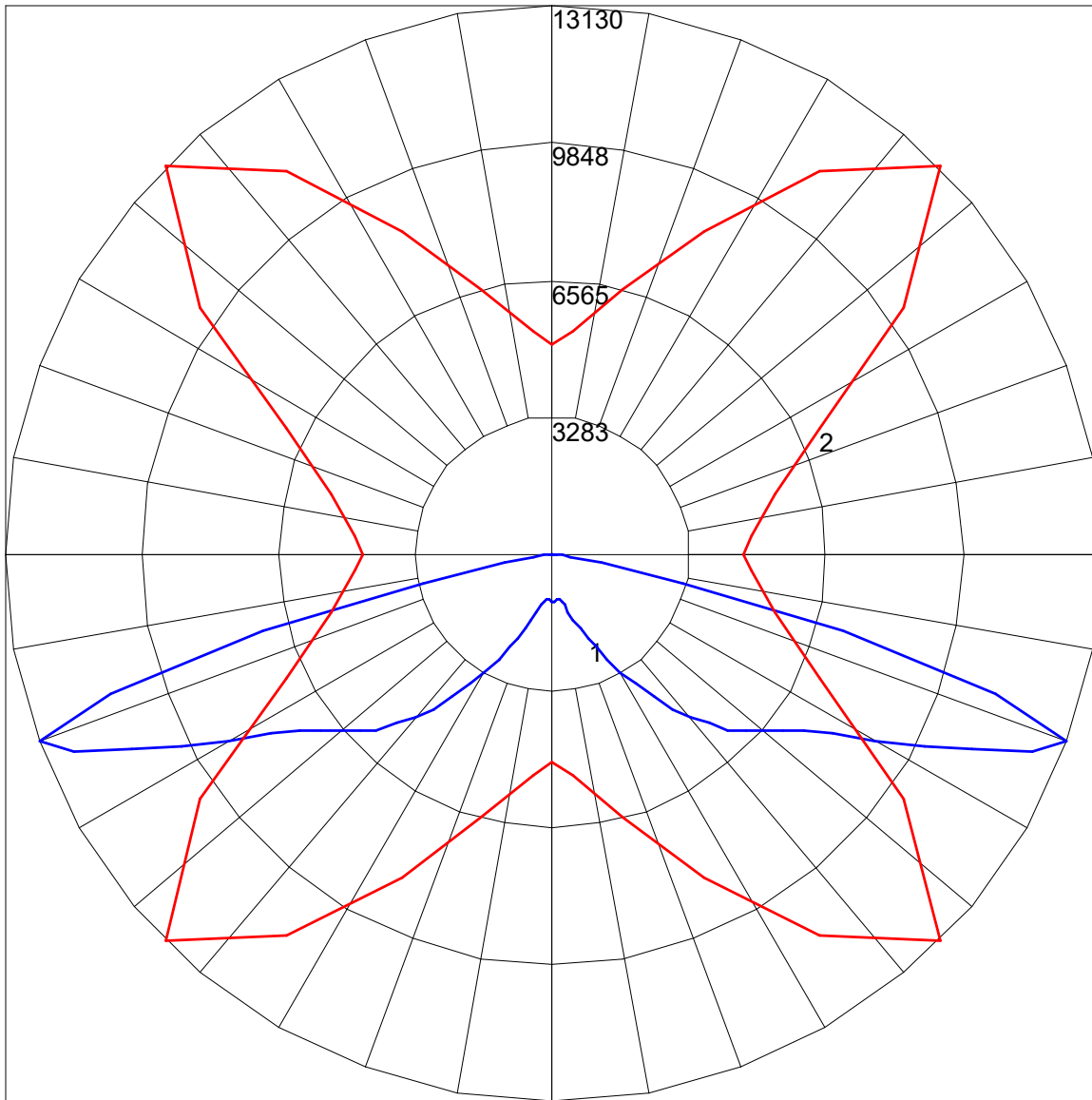
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

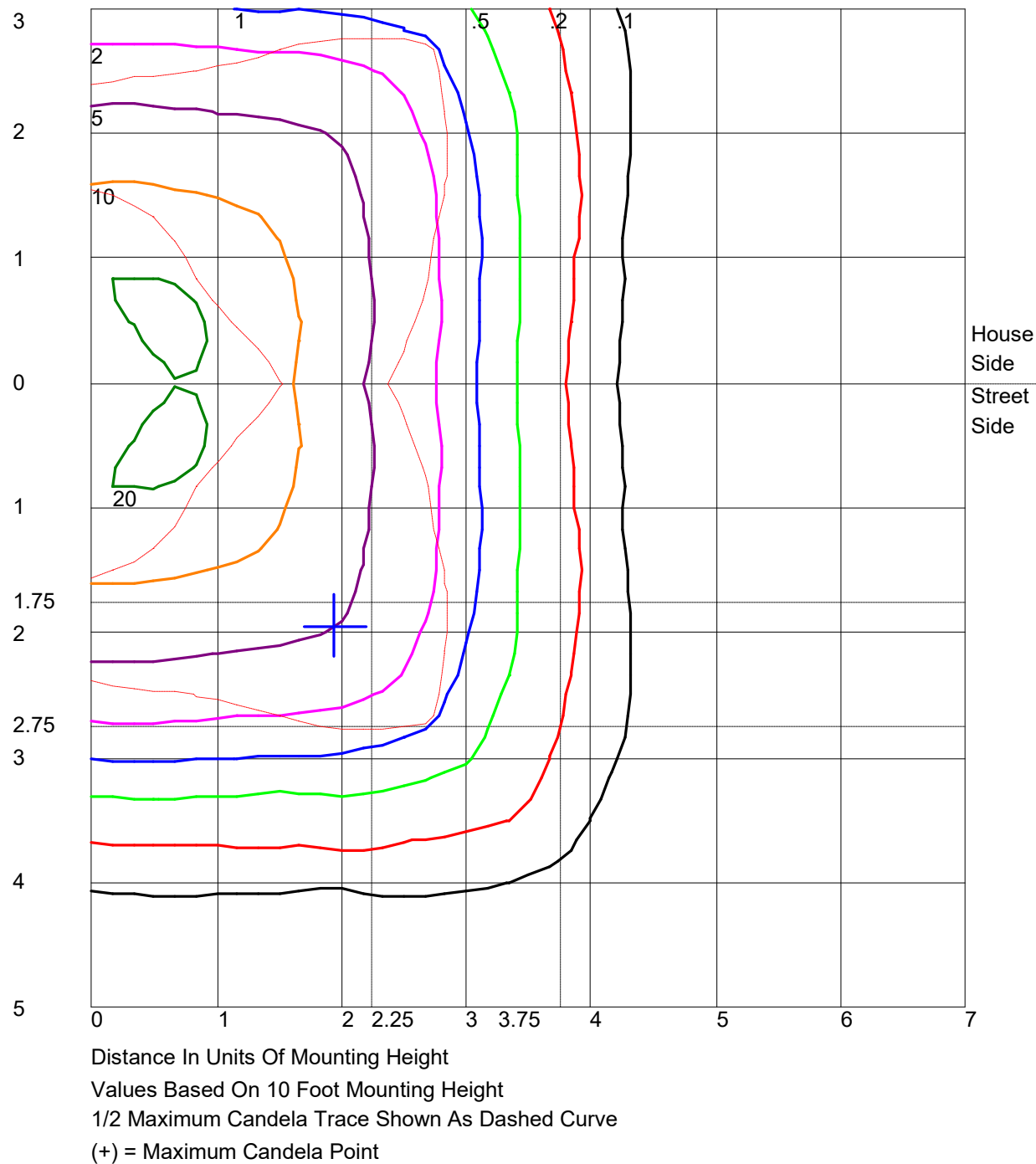
	Lumens	Percent Of Luminaire
Downward Street Side	13613.9	49.9
Downward House Side	13613.9	49.9
Downward Total	27227.8	99.8
Upward Street Side	28.3	0.1
Upward House Side	28.3	0.1
Upward Total	56.6	0.2
Total Flux	27284.4	100.0

POLAR GRAPH

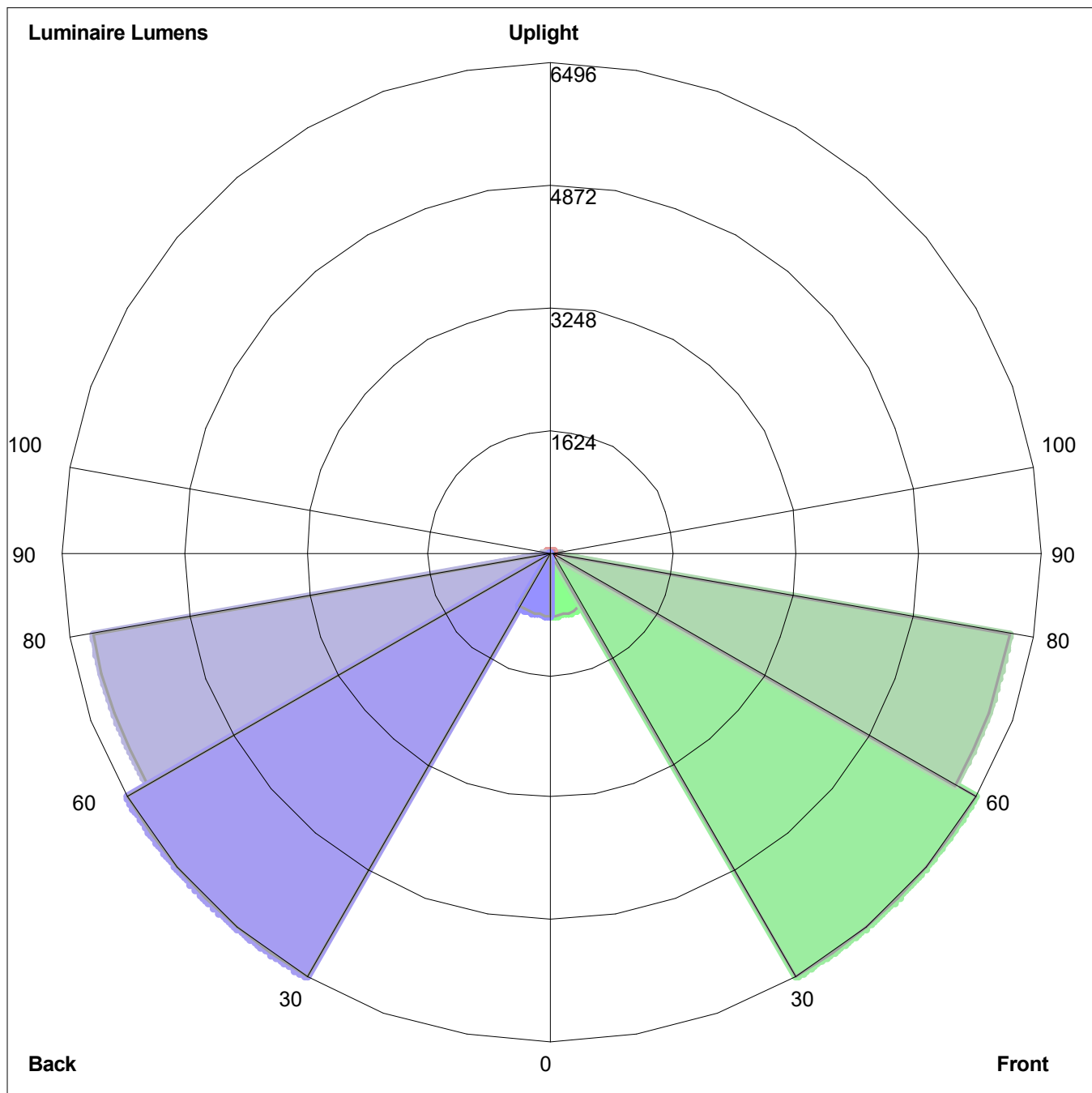


Maximum Candela = 13130 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=831.4, Medium=6495.7, High=6173.4, Very High=113.5
Back: Low=831.4, Medium=6495.7, High=6173.4, Very High=113.5
Uplight: Low=17.7, High=38.9

BUG Rating : B5-U2-G3