



IES ROAD REPORT

PHOTOMETRIC FILENAME : LXM4-PT-5W-LED-25L-40.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.
[LUMEN CATEGORY] LXM4-PT-5W-LED-25L-40
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCE TYPE] 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	25996
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	227.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12510
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	12510
Maximum Candela Angle (<90 Degrees Vertical)	45H 70V
Maximum Candela At 90 Degrees Vertical	24 (0.1% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1138 (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)	792.1	N.A.	3.0
FM - Front-Medium (30-60)	6188.7	N.A.	23.8
FH - Front-High (60-80)	5881.6	N.A.	22.6
FVH - Front-Very High (80-90)	108.1	N.A.	0.4
BL - Back-Low (0-30)	792.1	N.A.	3.0
BM - Back-Medium (30-60)	6188.7	N.A.	23.8
BH - Back-High (60-80)	5881.6	N.A.	22.6
BVH - Back-Very High (80-90)	108.1	N.A.	0.4
UL - Uplight-Low (90-100)	16.7	N.A.	0.1
UH - Uplight-High (100-180)	38.0	N.A.	0.1
Total	25995.7	N.A.	100.0
BUG Rating	B5-U2-G3		

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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	1108	1108	1108	1108	1108	1108	1108	1108	1108	1108
2.5	1089	1092	1103	1116	1114	1112	1109	1104	1105	1103
5.0	1041	1054	1069	1077	1098	1067	1074	1061	1056	1052
7.5	1027	1050	1077	1022	1047	1024	1051	1099	1120	1097
10.0	1077	1096	1109	1046	1076	1096	1117	1115	1184	1147
12.5	1219	1264	1209	1188	1219	1197	1198	1208	1249	1257
15.0	1345	1403	1360	1397	1422	1375	1359	1334	1369	1362
17.5	1482	1531	1505	1541	1588	1612	1555	1524	1549	1537
20.0	1701	1735	1706	1744	1791	1826	1821	1729	1732	1735
22.5	1871	1886	1929	1975	2018	2070	2114	2001	1989	2006
25.0	2074	2055	2135	2246	2315	2361	2421	2341	2207	2235
27.5	2317	2406	2492	2533	2625	2703	2737	2683	2527	2523
30.0	2634	2610	2688	2869	2953	3132	3152	3079	2876	2857
32.5	3045	3093	3074	3148	3360	3512	3604	3509	3276	3095
35.0	3435	3406	3464	3595	3749	4006	4067	3915	3741	3486
37.5	3854	3929	3862	3946	4248	4464	4524	4372	4090	3832
40.0	4177	4247	4278	4427	4696	4904	4942	4821	4556	4067
42.5	4465	4504	4574	4767	5128	5271	5366	5186	4865	4328
45.0	4728	4773	4856	5104	5482	5683	5695	5497	5152	4622
47.5	5012	5062	5169	5379	5780	5976	6010	5827	5505	4921
50.0	5304	5359	5506	5664	6047	6302	6348	6159	5870	5250
52.5	5552	5653	5817	5990	6370	6648	6704	6569	6234	5633
55.0	5858	5967	6155	6370	6697	7027	7129	7009	6702	6108
57.5	6288	6394	6601	6867	7223	7619	7781	7620	7266	6648
60.0	6766	6876	7085	7412	8019	8526	8547	8141	7641	6911
62.5	7082	7227	7514	7976	8825	9570	9322	8478	7783	7021
65.0	7157	7351	7744	8423	9667	10607	9887	8675	7826	6947
67.5	6236	6498	7097	8214	10307	11854	10603	8926	7758	6625
70.0	4338	4542	5232	6740	9819	12510	10643	8145	6259	5095
72.5	2346	2495	3075	4311	7405	10588	8331	5547	3758	2920
75.0	931	994	1265	1930	4308	6854	4792	2774	1698	1263
77.5	444	466	541	803	1701	3043	2091	1247	745	575
80.0	239	242	267	378	713	1138	924	590	356	324
82.5	168	167	178	221	313	418	351	307	243	237
85.0	112	113	121	145	189	215	202	188	155	152
87.5	62	62	68	78	93	95	88	82	69	64
90.0	15	15	19	19	21	24	22	20	17	13
92.5	11	11	14	15	19	24	23	20	17	12
95.0	11	11	13	14	17	22	21	19	16	11
97.5	10	10	11	12	14	18	17	16	13	9
100.0	8	8	9	10	11	14	14	13	11	8
102.5	7	7	9	9	10	11	12	11	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	11	10	9	9	9	8
120.0	9	9	10	11	11	11	10	10	10	9
122.5	9	9	11	11	12	12	11	10	10	9
125.0	10	10	11	12	12	12	11	10	11	10
127.5	10	10	11	12	12	12	10	10	10	10
130.0	10	10	11	12	12	12	10	10	11	10

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CANDELA TABULATION - (Cont.)

132.5	10	10	11	12	12	11	10	10	11	11
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

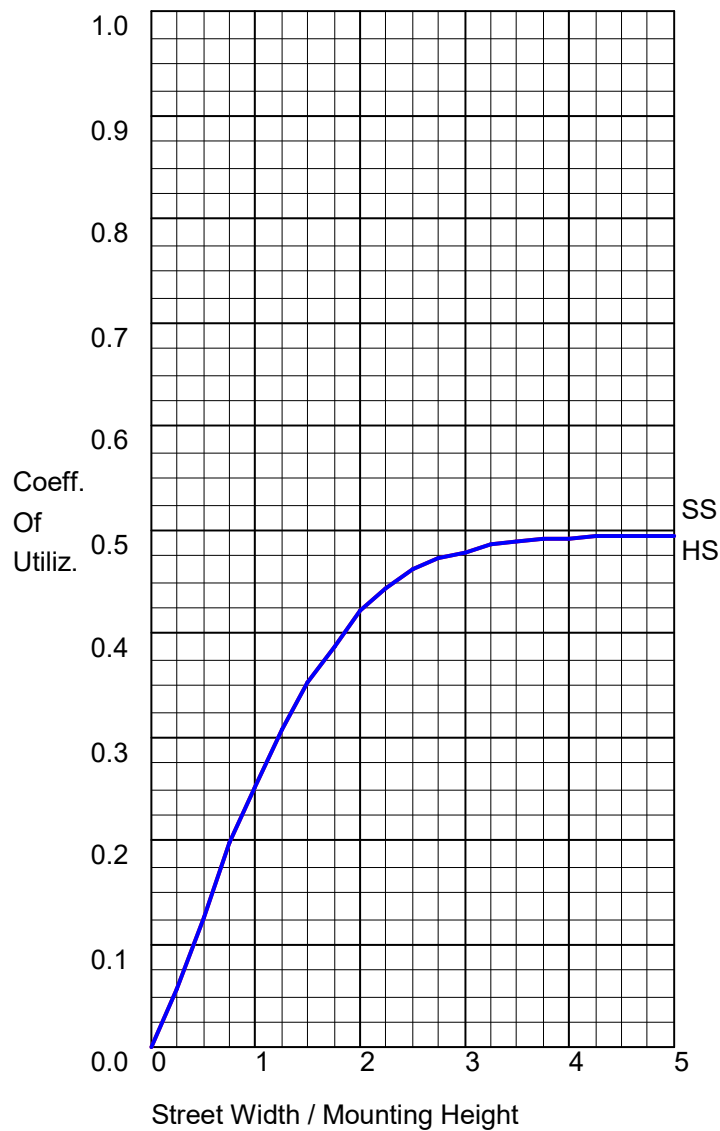
	90
0.0	1108
2.5	1103
5.0	1060
7.5	1107
10.0	1142
12.5	1258
15.0	1374
17.5	1530
20.0	1745
22.5	1969
25.0	2239
27.5	2477
30.0	2810
32.5	3105
35.0	3418
37.5	3794
40.0	4056
42.5	4312
45.0	4611
47.5	4898
50.0	5219
52.5	5596
55.0	5965
57.5	6432
60.0	6611
62.5	6667
65.0	6574
67.5	6262
70.0	4783
72.5	2822
75.0	1203
77.5	541

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CANDELA TABULATION - (Cont.)

80.0	312
82.5	227
85.0	141
87.5	57
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

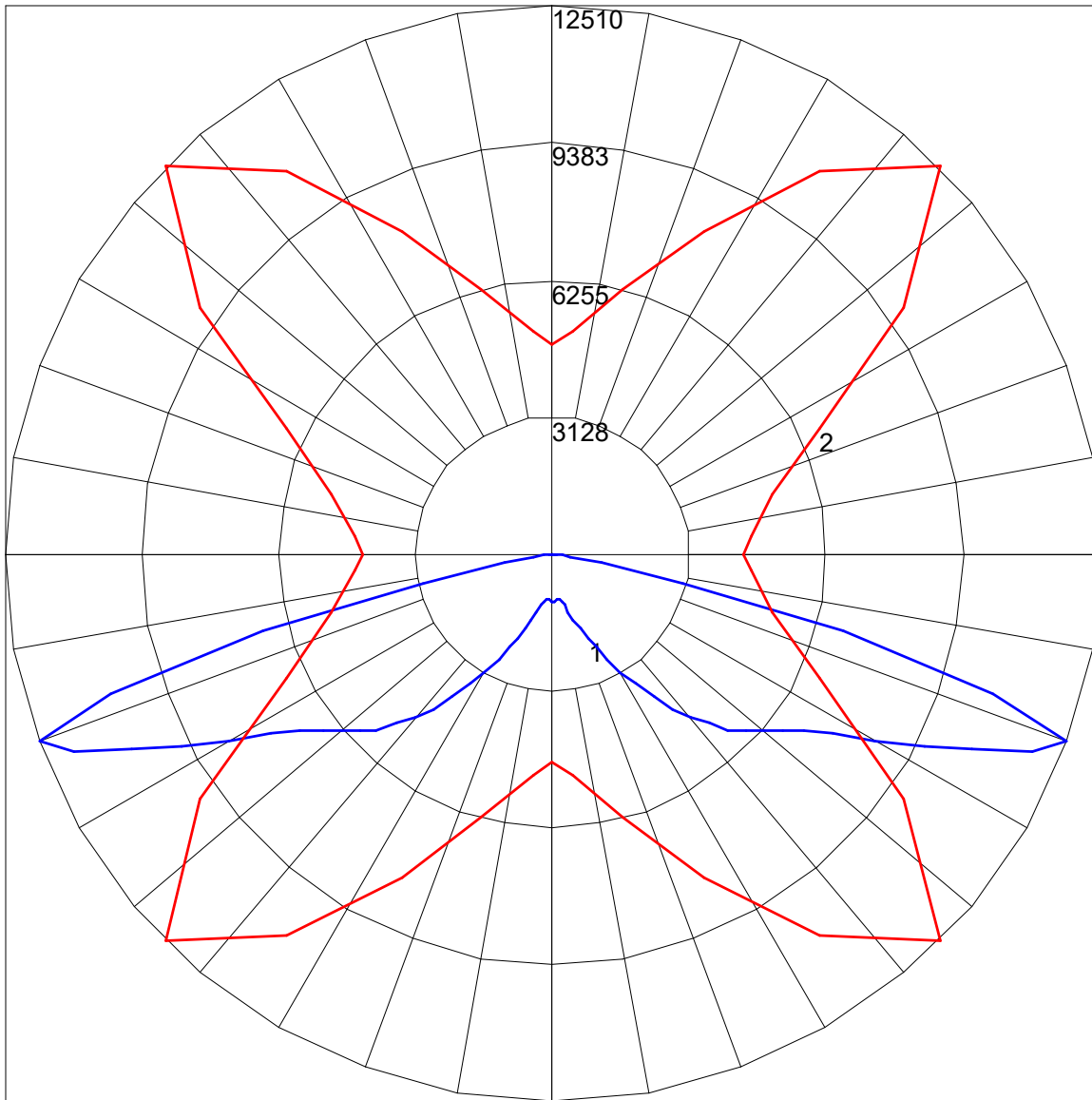
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

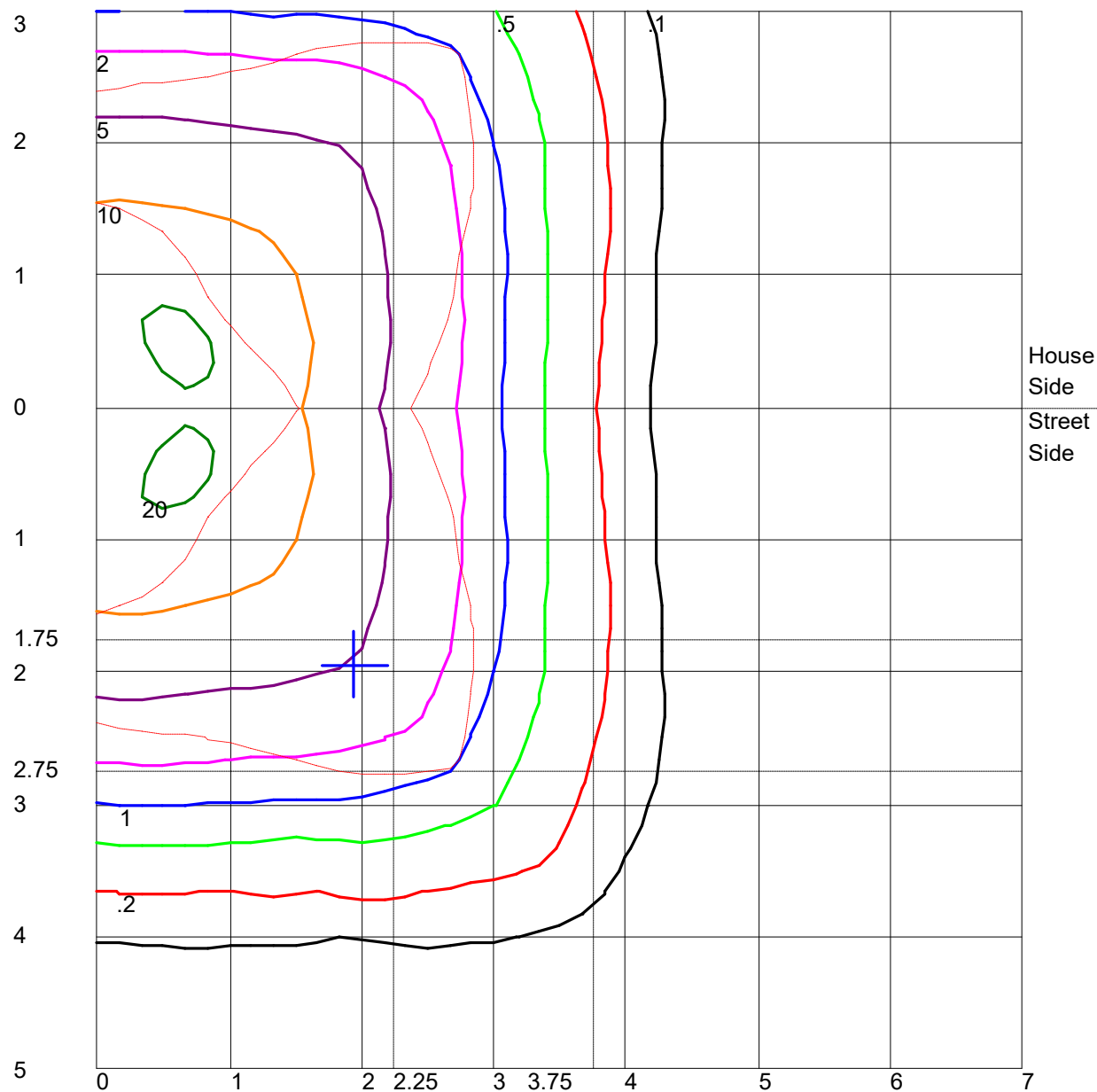
	Lumens	Percent Of Luminaire
Downward Street Side	12970.5	49.9
Downward House Side	12970.5	49.9
Downward Total	25941.0	99.8
Upward Street Side	27.4	0.1
Upward House Side	27.4	0.1
Upward Total	54.8	0.2
Total Flux	25995.8	100.0

POLAR GRAPH

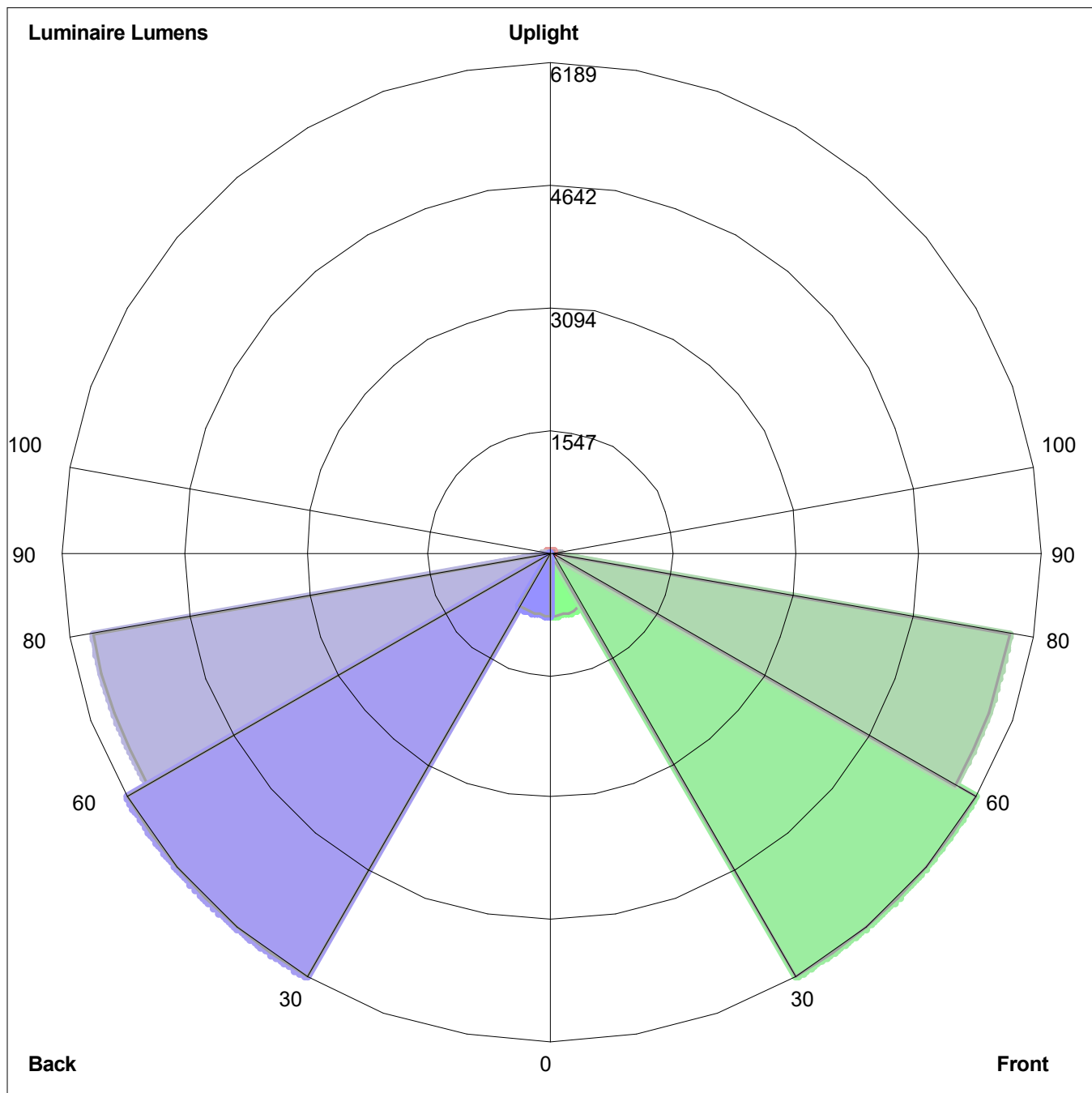


Maximum Candela = 12510 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=792.1, Medium=6188.7, High=5881.6, Very High=108.1
Back: Low=792.1, Medium=6188.7, High=5881.6, Very High=108.1
Uplight: Low=16.7, High=38.0

BUG Rating : B5-U2-G3