IES ROAD REPORT
PHOTOMETRIC FILENAME : MPP-LED-15L-SIL-5W-30-70CRI.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12566
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/30/21
[TESTDATE] 03/03/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] MPP-LED-15L-SIL-5W-30-70CRI
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[_ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] LED
[_SEARCH_APPLICATION] Outdoor
[_SEARCH_COLORTEMP] 3000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14605
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	102
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	6565
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	6565
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	208 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1566 (10.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	592.5	N.A.	4.1
FM - Front-Medium (30-60)	2914.0	N.A.	20.0
FH - Front-High (60-80)	3341.8	N.A.	22.9
FVH - Front-Very High (80-90)	166.6	N.A.	1.1
BL - Back-Low (0-30)	592.5	N.A.	4.1
BM - Back-Medium (30-60)	2914.0	N.A.	20.0
BH - Back-High (60-80)	3341.8	N.A.	22.9
BVH - Back-Very High (80-90)	166.6	N.A.	1.1
UL - Uplight-Low (90-100)	170.8	N.A.	1.2
UH - Uplight-High (100-180)	404.6	N.A.	2.8
Total	14605.2	N.A.	100.0
BUG Rating	B4-U3-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	920	920	920	920	920	920	920	920	920	920
2.5	930	930	932	933	929	929	932	924	918	911
5.0	938	938	948	956	964	969	972	960	944	925
7.5	953	952	947	950	960	964	981	980	969	954
10.0	989	1000	997	1003	1007	995	979	1002	1003	985
12.5	1082	1085	1086	1065	1065	1039	1037	1027	1075	1056
15.0	1139	1165	1177	1152	1171	1112	1124	1116	1135	1119
17.5	1284	1275	1295	1246	1260	1272	1194	1206	1217	1212
20.0	1355	1387	1402	1384	1395	1346	1354	1327	1287	1302
22.5	1547	1547	1576	1535	1551	1486	1476	1433	1411	1420
25.0	1662	1671	1693	1686	1680	1639	1600	1579	1516	1511
27.5	1857	1852	1871	1840	1853	1792	1744	1679	1619	1652
30.0	2012	2025	2013	2005	2015	1975	1912	1808	1759	1742
32.5	2125	2143	2199	2216	2188	2105	2054	1920	1868	1809
35.0	2204	2210	2278	2361	2403	2262	2174	2020	1928	1848
37.5	2258	2262	2346	2455	2546	2438	2251	2082	1991	1907
40.0	2323	2308	2405	2538	2646	2616	2348	2171	2004	1931
42.5	2386	2357	2460	2615	2739	2731	2434	2232	2029	1980
45.0	2439	2418	2517	2687	2824	2814	2615	2245	2080	2026
47.5	2504	2492	2588	2756	2908	2895	2745	2290	2147	2063
50.0	2586	2583	2660	2827	2998	2987	2827	2384	2241	2076
52.5	2683	2675	2750	2908	3094	3082	2913	2534	2374	2199
55.0	2791	2787	2852	3004	3202	3199	3022	2721	2453	2291
57.5	2909	2914	2973	3125	3319	3343	3166	2902	2492	2406
60.0	3048	3053	3117	3276	3473	3518	3317	3077	2610	2487
62.5	3207	3213	3270	3457	3667	3724	3487	3267	2782	2675
65.0	3372	3385	3451	3677	3944	4016	3720	3393	3090	2878
67.5	3521	3547	3642	3924	4372	4483	4072	3674	3477	3185
70.0	3479	3512	3686	4141	4971	5310	4748	4315	3975	3621
72.5	3042	3084	3387	3985	5494	6565	5657	4540	3914	3493
75.0	1424	1602	2086	3001	4942	6357	5120	3080	2148	1742
77.5	411	456	575	1130	3124	4567	2854	1185	695	569
80.0	283	323	374	456	834	1566	742	463	417	371
82.5	207	248	288	325	415	521	400	350	339	300
85.0	149	188	228	249	294	349	295	284	288	261
87.5	108	142	183	199	221	244	228	236	244	232
90.0	73	99	146	161	175	186	181	197	208	183
92.5	79	94	142	157	171	181	175	192	203	148
95.0	88	93	140	155	166	177	166	185	192	138
97.5	95	90	135	151	161	170	157	175	168	144
100.0	99	88	130	147	156	162	152	160	138	143
102.5	101	88	123	143	151	156	145	142	119	134
105.0	101	89	116	139	147	149	135	127	108	125
107.5	100	91	108	137	144	143	124	113	102	116
110.0	98	93	103	133	140	133	114	104	98	108
112.5	97	94	97	130	135	125	107	95	94	102
115.0	95	94	93	123	128	116	102	91	91	96
117.5	94	93	90	114	119	110	98	88	89	91
120.0	93	92	87	105	111	105	95	85	86	87
122.5	91	90	84	94	104	101	92	84	84	84
125.0	88	87	81	86	97	97	91	84	83	82
127.5	84	84	79	82	91	93	90	84	83	81
130.0	82	81	78	77	86	90	89	84	83	81

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CANDELA TABULATION - (Cont.)

132.5	79	79	77	75	82	86	84	83	84	82
135.0	79	78	77	75	77	78	77	81	84	83
137.5	79	78	76	70	65	64	67	74	80	83
140.0	71	70	66	60	52	50	56	62	70	75
142.5	59	59	54	47	38	36	42	50	58	62
145.0	46	45	41	35	27	26	30	36	43	48
147.5	32	31	29	24	19	15	18	25	31	34
150.0	22	21	20	16	11	7	9	14	19	21
152.5	13	13	12	8	4	3	4	7	10	12
155.0	5	5	5	3	2	1	2	4	5	6
157.5	2	2	2	2	1	1	2	2	3	3
160.0	2	2	2	2	1	1	2	2	2	2
162.5	2	2	2	2	1	1	2	2	2	2
165.0	2	2	2	2	1	1	2	2	2	2
167.5	2	2	2	2	2	2	2	2	3	3
170.0	2	2	2	2	2	2	2	2	3	3
172.5	2	2	2	2	2	2	2	2	3	3
175.0	2	2	2	2	2	2	2	2	3	3
177.5	2	2	2	2	2	2	2	2	2	2
180.0	2	2	2	2	2	2	2	2	2	2

Vert. Angles	**Horizontal Angles**
	90
0.0	920
2.5	910
5.0	918
7.5	942
10.0	972
12.5	1038
15.0	1108
17.5	1188
20.0	1273
22.5	1374
25.0	1522
27.5	1613
30.0	1708
32.5	1776
35.0	1797
37.5	1850
40.0	1923
42.5	1936
45.0	1967
47.5	2023
50.0	2105
52.5	2184
55.0	2274
57.5	2375
60.0	2485
62.5	2659
65.0	2843
67.5	3213
70.0	3587
72.5	3385
75.0	1709
77.5	572

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CANDELA TABULATION - (Cont.)

80.0	395
82.5	316
85.0	217
87.5	119
90.0	93
92.5	147
95.0	178
97.5	174
100.0	159
102.5	145
105.0	132
107.5	120
110.0	111
112.5	104
115.0	98
117.5	92
120.0	88
122.5	84
125.0	81
127.5	80
130.0	80
132.5	81
135.0	83
137.5	83
140.0	75
142.5	63
145.0	49
147.5	34
150.0	21
152.5	12
155.0	6
157.5	3
160.0	2
162.5	2
165.0	2
167.5	2
170.0	3
172.5	3
175.0	3
177.5	2
180.0	2

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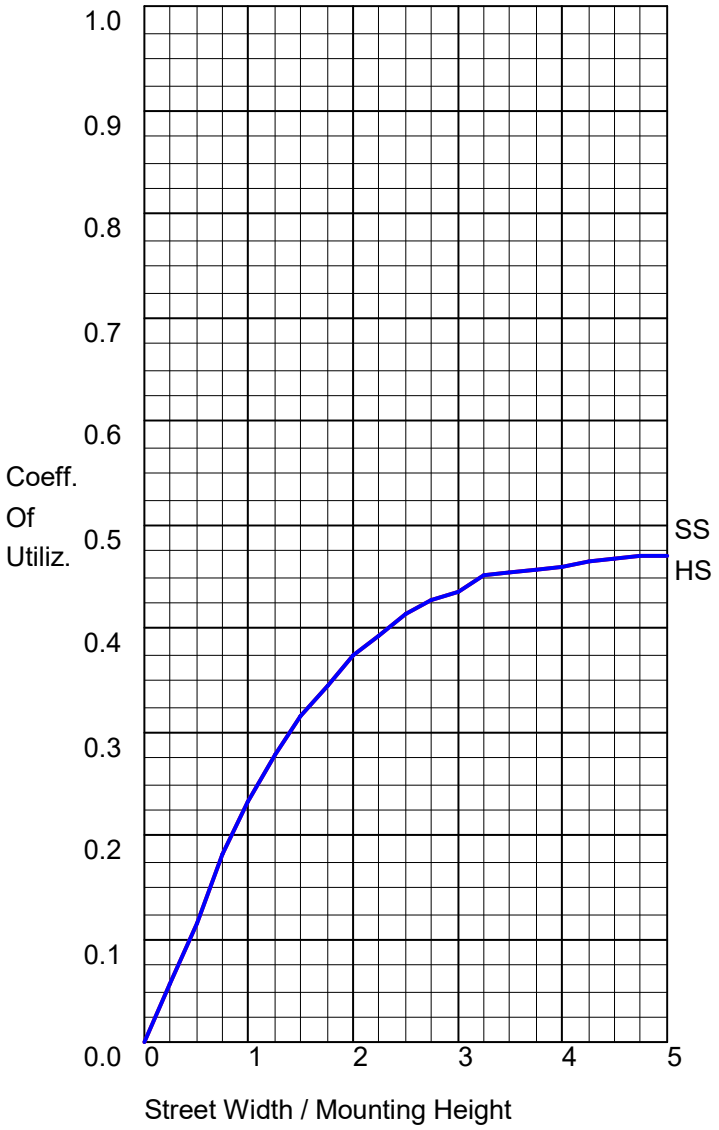
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	7014.8	48.0
Downward House Side	7014.8	48.0
Downward Total	14029.6	96.1
Upward Street Side	287.7	2.0
Upward House Side	287.7	2.0
Upward Total	575.4	3.9
Total Flux	14605.0	100.0

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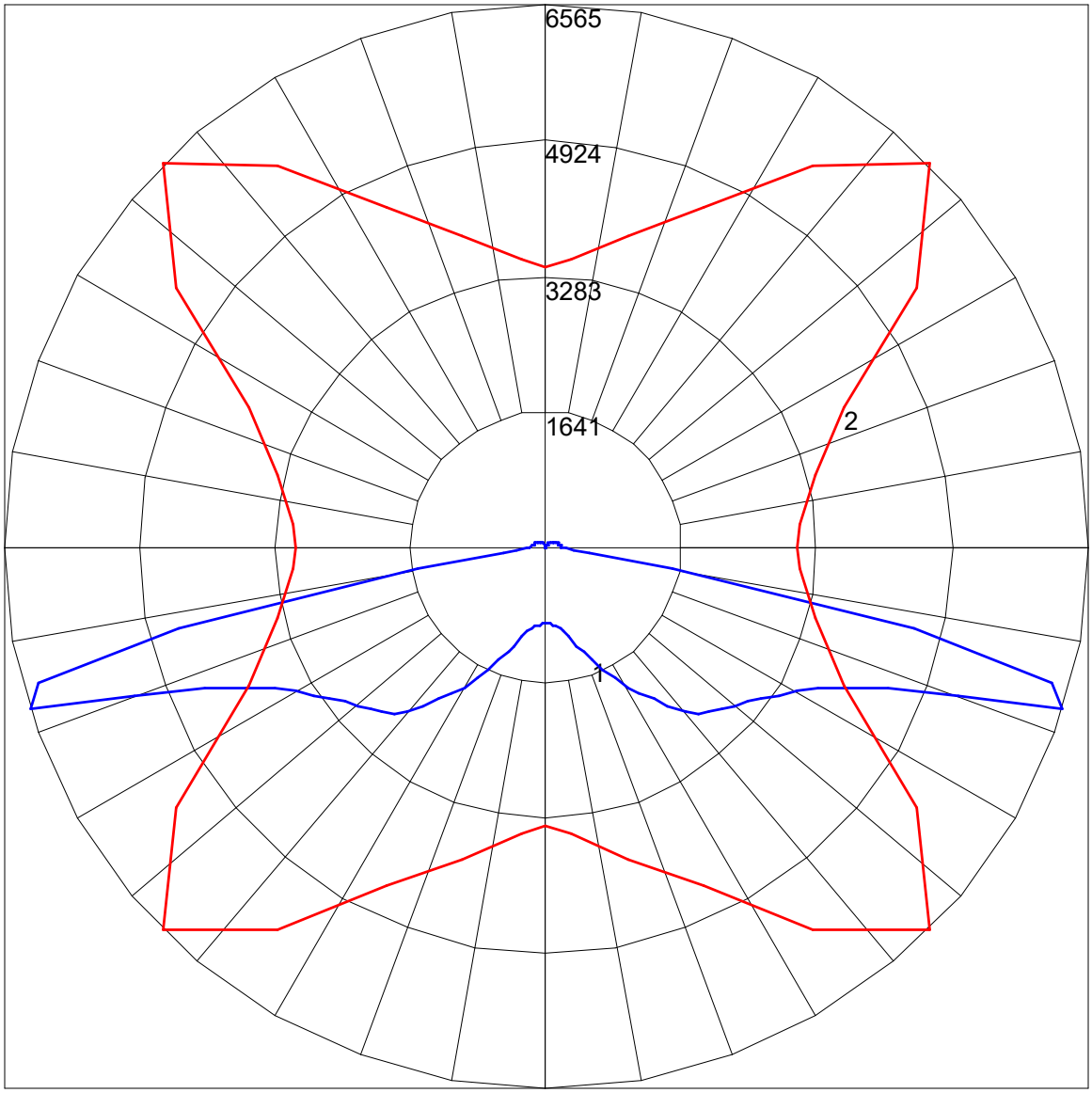
POLAR GRAPH



Maximum Candela = 6565 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.)

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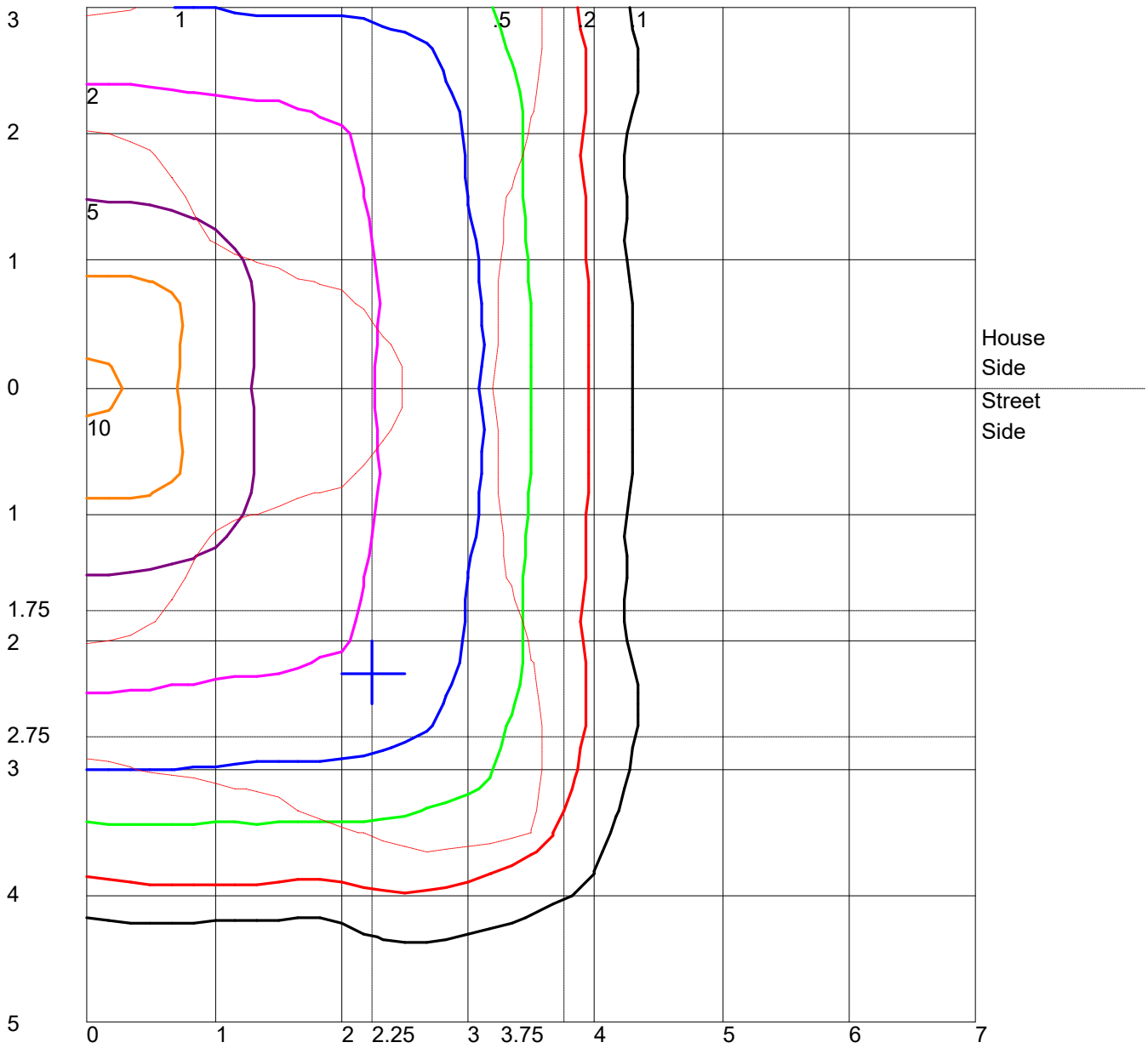
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
Values Based On 10 Foot Mounting Height
1/2 Maximum Candela Trace Shown As Dashed Curve
(+) = Maximum Candela Point

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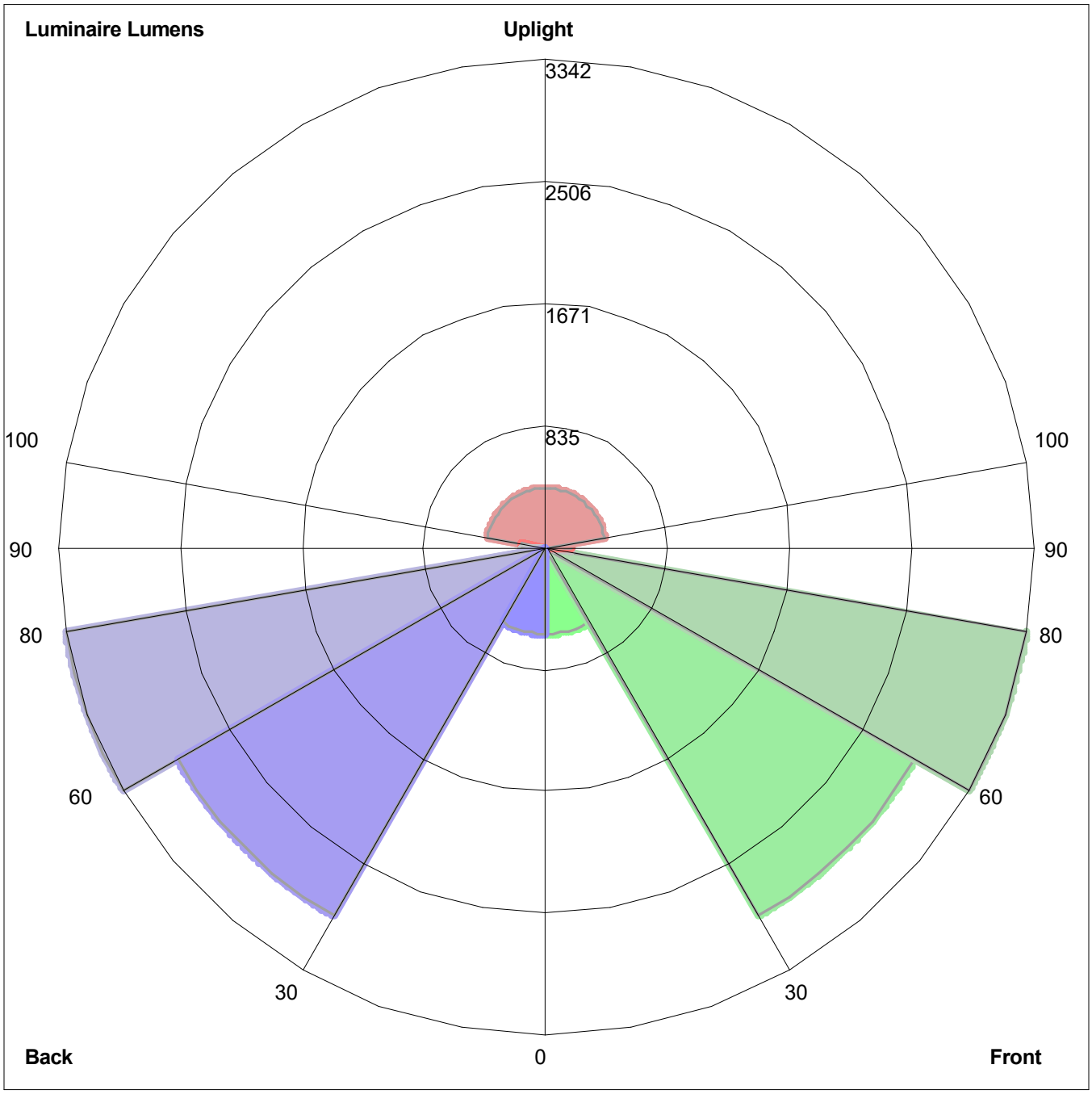
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=592.5, Medium= 2914.0, High=3341.8, Very High=166.6
Back: Low=592.5, Medium= 2914.0, High=3341.8, Very High=166.6
Uplight: Low=170.8, High=404.6

BUG Rating : B4-U3-G2

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