IES ROAD REPORT
PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-5W-30-70CRI.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12507
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/30/21
[TESTDATE] 02/19/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] MPP-LED-25L-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	24947
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	191
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	11110
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	11110
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	353 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2744 (11.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	995.4	N.A.	4.0
FM - Front-Medium (30-60)	5021.8	N.A.	20.1
FH - Front-High (60-80)	5688.3	N.A.	22.8
FVH - Front-Very High (80-90)	280.8	N.A.	1.1
BL - Back-Low (0-30)	995.4	N.A.	4.0
BM - Back-Medium (30-60)	5021.8	N.A.	20.1
BH - Back-High (60-80)	5688.3	N.A.	22.8
BVH - Back-Very High (80-90)	280.8	N.A.	1.1
UL - Uplight-Low (90-100)	290.4	N.A.	1.2
UH - Uplight-High (100-180)	683.8	N.A.	2.7
Total	24946.8	N.A.	100.0
BUG Rating	B5-U4-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	1539	1539	1539	1539	1539	1539	1539	1539	1539	1539
2.5	1544	1544	1553	1550	1554	1552	1550	1544	1541	1533
5.0	1565	1560	1573	1588	1611	1614	1616	1610	1566	1543
7.5	1581	1574	1577	1588	1597	1600	1617	1624	1605	1582
10.0	1652	1661	1653	1676	1673	1649	1630	1643	1655	1629
12.5	1805	1801	1795	1767	1777	1736	1720	1728	1791	1757
15.0	1908	1959	1947	1930	1937	1855	1870	1867	1876	1843
17.5	2198	2145	2164	2103	2111	2118	2016	2013	2005	2004
20.0	2329	2363	2366	2329	2340	2265	2287	2214	2119	2147
22.5	2645	2662	2659	2572	2610	2511	2485	2397	2343	2348
25.0	2871	2883	2887	2857	2840	2763	2683	2648	2507	2507
27.5	3204	3188	3196	3129	3122	3051	2945	2826	2695	2758
30.0	3459	3486	3473	3426	3403	3336	3208	3030	2965	2899
32.5	3659	3669	3742	3789	3705	3589	3467	3246	3124	3035
35.0	3780	3780	3879	4036	4082	3878	3670	3429	3256	3098
37.5	3902	3885	4006	4208	4347	4207	3820	3544	3330	3168
40.0	3982	3979	4122	4371	4541	4501	3982	3699	3370	3246
42.5	4100	4077	4237	4513	4711	4698	4197	3767	3440	3333
45.0	4223	4185	4350	4655	4866	4883	4516	3852	3549	3406
47.5	4343	4331	4454	4796	5018	5021	4743	3980	3690	3494
50.0	4486	4486	4585	4935	5184	5181	4905	4099	3911	3584
52.5	4647	4648	4743	5085	5360	5377	5065	4437	4071	3781
55.0	4836	4832	4938	5268	5547	5604	5251	4727	4120	3955
57.5	5052	5065	5162	5490	5781	5846	5472	5031	4331	4117
60.0	5307	5328	5441	5739	6099	6179	5766	5364	4542	4396
62.5	5603	5620	5778	6076	6521	6658	6140	5628	4960	4600
65.0	5860	5894	6082	6469	7120	7214	6542	6006	5455	5023
67.5	6004	6045	6303	6867	7856	8004	7327	6560	6058	5636
70.0	5995	6069	6302	7155	8838	9514	8564	7313	6647	6078
72.5	5100	5185	5725	6872	9270	11110	9474	6959	5685	4988
75.0	2254	2364	3239	4934	8082	10267	7627	4910	3571	2993
77.5	642	691	882	1635	4566	7035	4983	2265	1388	1017
80.0	460	508	588	699	1244	2744	1624	826	712	631
82.5	345	398	467	526	663	845	692	603	573	515
85.0	252	306	376	414	483	572	505	484	488	438
87.5	183	231	309	335	372	415	385	397	417	372
90.0	123	165	248	274	297	312	306	332	353	301
92.5	124	157	241	267	289	304	297	326	344	264
95.0	140	157	237	263	282	299	285	316	325	249
97.5	153	156	229	255	274	289	273	298	286	249
100.0	163	155	219	249	264	277	260	275	241	246
102.5	168	155	208	244	257	265	248	246	205	230
105.0	168	154	197	238	251	254	231	217	185	213
107.5	166	155	184	232	245	242	211	191	174	198
110.0	165	156	175	228	239	228	194	175	165	184
112.5	162	156	166	219	229	210	181	162	158	172
115.0	159	156	158	207	216	196	173	154	154	162
117.5	158	156	153	193	202	186	166	148	151	154
120.0	156	155	147	176	188	178	161	145	147	148
122.5	153	152	141	160	176	171	156	143	143	142
125.0	147	146	136	147	165	164	154	142	139	137
127.5	141	140	132	136	155	157	153	142	139	135
130.0	136	135	131	130	145	153	151	142	139	136

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CANDELA TABULATION - (Cont.)

132.5	132	132	129	125	137	147	144	140	141	137
135.0	131	131	128	124	128	131	131	136	140	140
137.5	131	130	126	116	108	108	113	125	135	139
140.0	116	116	110	99	86	84	93	106	118	127
142.5	96	96	90	78	64	60	69	83	97	107
145.0	74	73	68	58	46	42	49	60	73	82
147.5	52	51	47	39	32	25	30	40	49	55
150.0	36	36	33	27	16	11	13	23	30	33
152.5	23	23	18	12	7	4	7	11	15	17
155.0	9	9	7	5	3	2	3	5	7	8
157.5	3	3	3	2	2	2	2	3	4	4
160.0	2	2	2	2	2	2	2	3	4	4
162.5	2	2	3	2	2	2	3	3	4	4
165.0	2	2	2	2	2	2	2	3	4	4
167.5	2	2	2	2	2	2	2	3	4	4
170.0	2	2	2	2	2	2	3	3	4	4
172.5	2	2	2	2	2	2	2	3	3	3
175.0	2	2	2	2	2	2	2	3	3	3
177.5	2	2	2	2	2	2	2	3	3	3
180.0	2	2	2	2	2	2	2	2	2	2

Vert. Angles	**Horizontal Angles**
	90
0.0	1539
2.5	1529
5.0	1537
7.5	1567
10.0	1610
12.5	1719
15.0	1842
17.5	1966
20.0	2084
22.5	2293
25.0	2508
27.5	2676
30.0	2878
32.5	2944
35.0	3039
37.5	3139
40.0	3234
42.5	3297
45.0	3348
47.5	3475
50.0	3557
52.5	3774
55.0	3879
57.5	4139
60.0	4317
62.5	4574
65.0	5025
67.5	5569
70.0	6021
72.5	4864
75.0	2877
77.5	1023

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CANDELA TABULATION - (Cont.)

80.0	655
82.5	524
85.0	387
87.5	248
90.0	179
92.5	231
95.0	288
97.5	289
100.0	270
102.5	247
105.0	225
107.5	205
110.0	189
112.5	176
115.0	164
117.5	156
120.0	149
122.5	142
125.0	137
127.5	134
130.0	135
132.5	136
135.0	139
137.5	140
140.0	128
142.5	108
145.0	84
147.5	55
150.0	32
152.5	17
155.0	8
157.5	4
160.0	4
162.5	4
165.0	3
167.5	4
170.0	4
172.5	3
175.0	3
177.5	3
180.0	2

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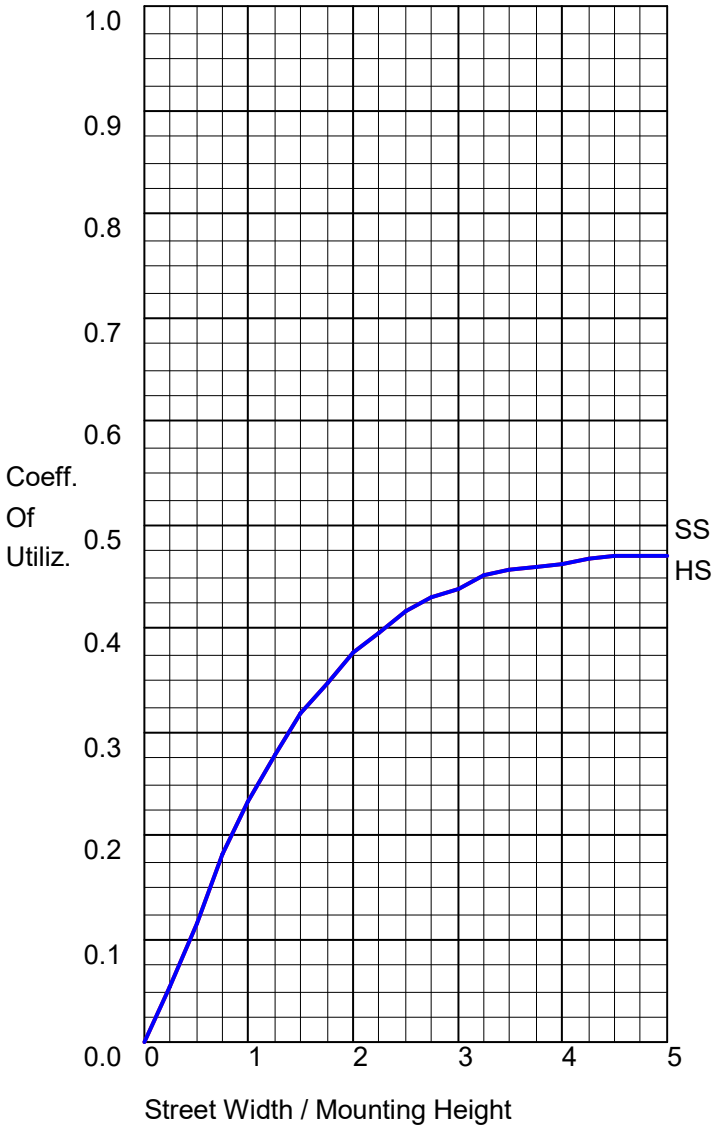
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	11986.3	48.0
Downward House Side	11986.3	48.0
Downward Total	23972.6	96.1
Upward Street Side	487.1	2.0
Upward House Side	487.1	2.0
Upward Total	974.2	3.9
Total Flux	24946.8	100.0

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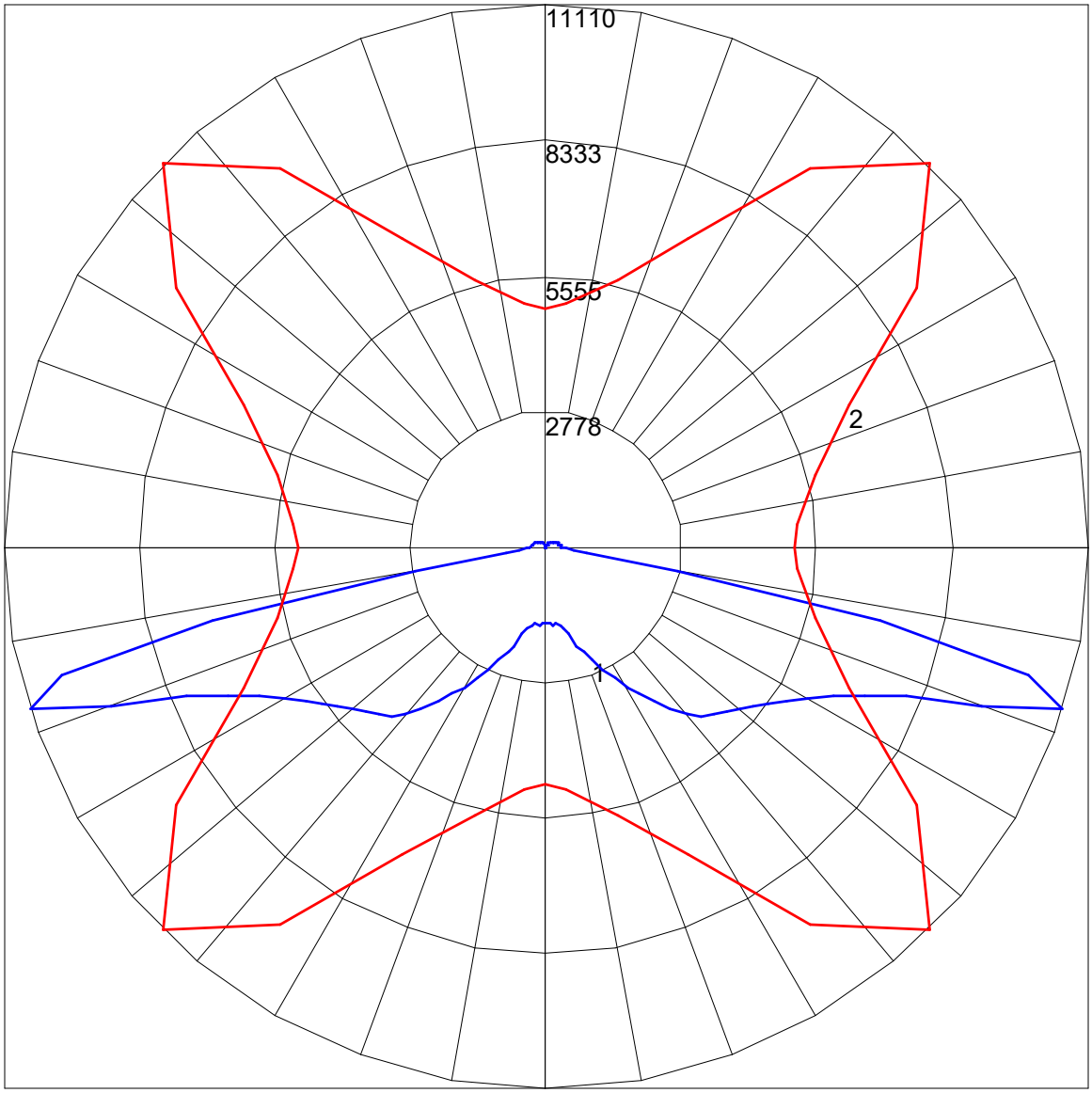
POLAR GRAPH



Maximum Candela = 11110 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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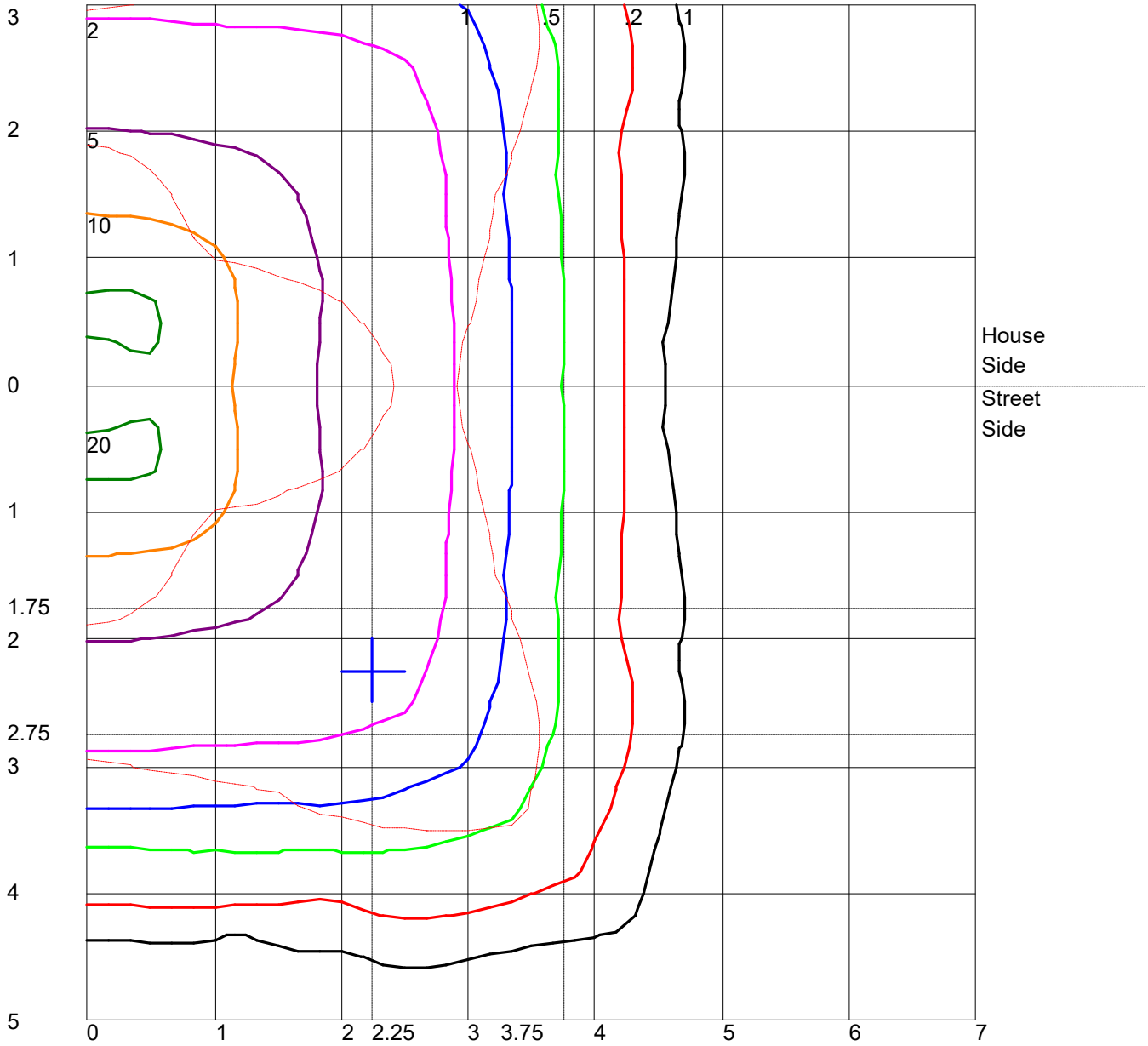
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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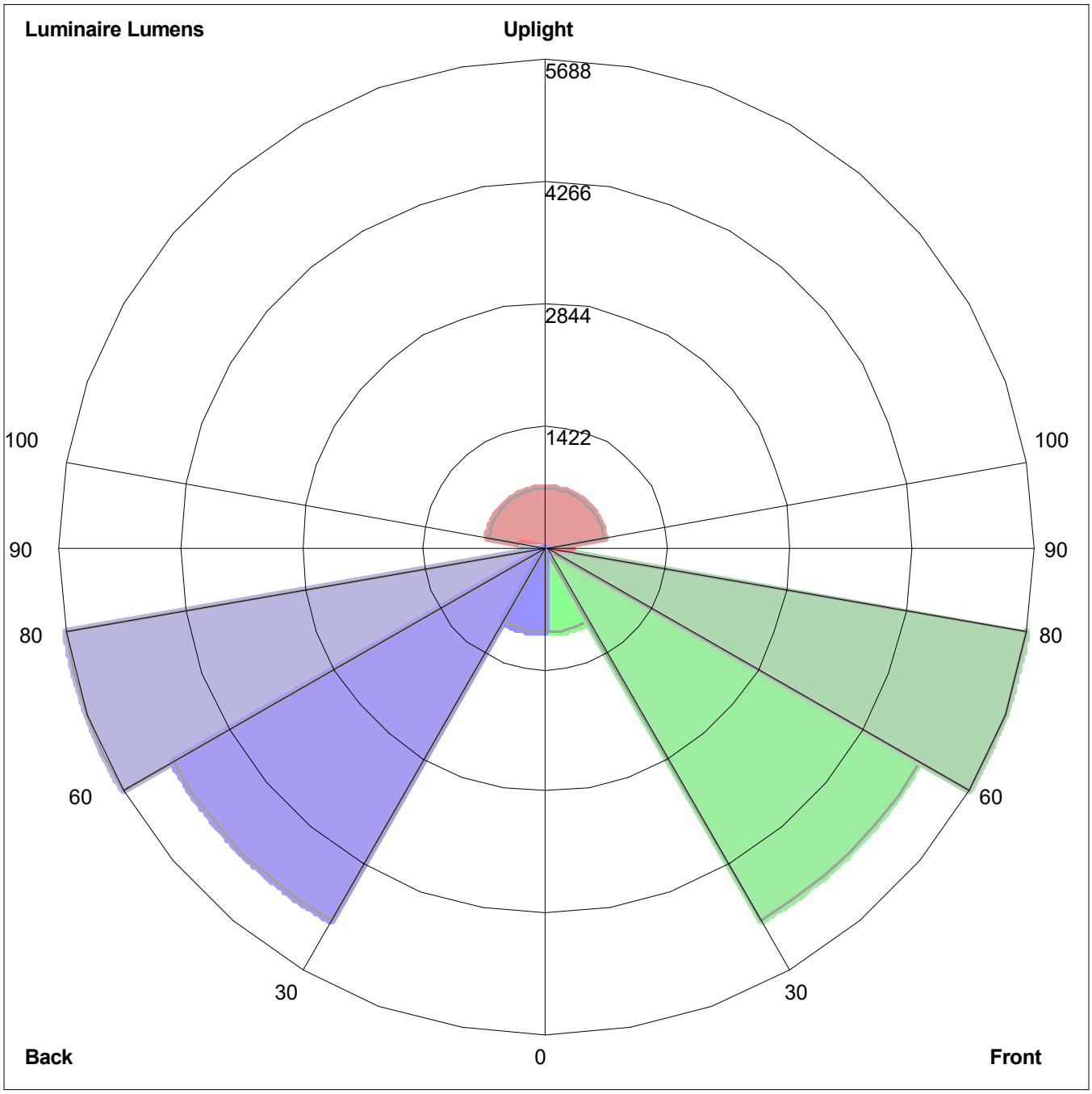
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=995.4, Medium=5021.8, High=5688.3, Very High=280.8
Back: Low=995.4, Medium=5021.8, High=5688.3, Very High=280.8
Uplight: Low=290.4, High=683.8

BUG Rating : B5-U4-G3

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