IES ROAD REPORT
PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-5W-40-70CRI.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-40-70CRI
[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] 4000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	25983
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	191
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	11572
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	11572
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	368 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2858 (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)	1036.8	N.A.	4.0
FM - Front-Medium (30-60)	5230.5	N.A.	20.1
FH - Front-High (60-80)	5924.8	N.A.	22.8
FVH - Front-Very High (80-90)	292.5	N.A.	1.1
BL - Back-Low (0-30)	1036.8	N.A.	4.0
BM - Back-Medium (30-60)	5230.5	N.A.	20.1
BH - Back-High (60-80)	5924.8	N.A.	22.8
BVH - Back-Very High (80-90)	292.5	N.A.	1.1
UL - Uplight-Low (90-100)	302.4	N.A.	1.2
UH - Uplight-High (100-180)	712.1	N.A.	2.7
Total	25983.7	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	1603	1603	1603	1603	1603	1603	1603	1603	1603	1603
2.5	1608	1608	1618	1614	1619	1616	1614	1608	1605	1597
5.0	1630	1625	1638	1654	1678	1681	1683	1677	1631	1607
7.5	1647	1639	1643	1654	1663	1667	1684	1692	1672	1648
10.0	1721	1730	1722	1746	1743	1718	1698	1711	1724	1697
12.5	1880	1876	1870	1840	1851	1808	1791	1800	1865	1830
15.0	1987	2040	2028	2010	2017	1932	1948	1945	1954	1920
17.5	2289	2234	2254	2190	2199	2206	2100	2097	2088	2087
20.0	2426	2461	2464	2426	2437	2359	2382	2306	2207	2236
22.5	2755	2773	2770	2679	2718	2615	2588	2497	2440	2446
25.0	2990	3003	3007	2976	2958	2878	2794	2758	2611	2611
27.5	3337	3321	3329	3259	3252	3178	3067	2943	2807	2873
30.0	3603	3631	3617	3568	3544	3475	3341	3156	3088	3019
32.5	3811	3821	3898	3946	3859	3738	3611	3381	3254	3161
35.0	3937	3937	4040	4204	4252	4039	3822	3571	3391	3227
37.5	4064	4046	4172	4383	4528	4382	3979	3691	3468	3300
40.0	4148	4144	4293	4553	4730	4688	4147	3853	3510	3381
42.5	4270	4246	4413	4701	4907	4893	4371	3924	3583	3471
45.0	4399	4359	4531	4848	5068	5086	4704	4012	3697	3548
47.5	4524	4511	4639	4995	5227	5230	4940	4145	3843	3639
50.0	4672	4672	4776	5140	5399	5396	5109	4269	4074	3733
52.5	4840	4841	4940	5296	5583	5600	5276	4621	4240	3938
55.0	5037	5033	5143	5487	5778	5837	5469	4923	4291	4119
57.5	5262	5275	5377	5718	6021	6089	5699	5240	4511	4288
60.0	5528	5549	5667	5977	6352	6436	6006	5587	4731	4579
62.5	5836	5854	6018	6328	6792	6935	6395	5862	5166	4791
65.0	6104	6139	6335	6738	7416	7514	6814	6256	5682	5232
67.5	6253	6296	6565	7152	8183	8337	7632	6833	6310	5870
70.0	6244	6321	6564	7452	9205	9909	8920	7617	6923	6331
72.5	5312	5400	5963	7158	9655	11572	9868	7248	5921	5195
75.0	2348	2462	3374	5139	8418	10694	7944	5114	3719	3117
77.5	669	720	919	1703	4756	7327	5190	2359	1446	1059
80.0	479	529	612	728	1296	2858	1692	860	742	657
82.5	359	415	486	548	691	880	721	628	597	536
85.0	262	319	392	431	503	596	526	504	508	456
87.5	191	241	322	349	387	432	401	414	434	387
90.0	128	172	258	285	309	325	319	346	368	313
92.5	129	164	251	278	301	317	309	340	358	275
95.0	146	164	247	274	294	311	297	329	339	259
97.5	159	162	238	266	285	301	284	310	298	259
100.0	170	161	228	259	275	289	271	286	251	256
102.5	175	161	217	254	268	276	258	256	213	240
105.0	175	160	205	248	261	265	241	226	193	222
107.5	173	161	192	242	255	252	220	199	181	206
110.0	172	162	182	237	249	237	202	182	172	192
112.5	169	163	173	228	238	219	189	169	165	179
115.0	166	163	165	216	225	204	180	160	160	169
117.5	165	163	159	201	210	194	173	154	157	160
120.0	163	161	153	183	196	185	168	151	153	154
122.5	159	158	147	167	183	178	163	149	149	148
125.0	153	152	142	153	172	171	160	148	145	143
127.5	147	146	138	142	161	164	159	148	145	141
130.0	142	141	136	135	151	159	157	148	145	142

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CANDELA TABULATION - (Cont.)

132.5	138	137	134	130	143	153	150	146	147	143
135.0	136	136	133	129	133	136	136	142	146	146
137.5	136	135	131	121	113	113	118	130	141	145
140.0	121	121	115	103	90	87	97	110	123	132
142.5	100	100	94	81	67	63	72	86	101	111
145.0	77	76	71	60	48	44	51	62	76	85
147.5	54	53	49	41	33	26	31	42	51	57
150.0	38	37	34	28	17	11	14	24	31	34
152.5	24	24	19	12	7	4	7	11	16	18
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	1603
2.5	1593
5.0	1601
7.5	1632
10.0	1677
12.5	1790
15.0	1919
17.5	2048
20.0	2171
22.5	2388
25.0	2612
27.5	2787
30.0	2998
32.5	3066
35.0	3165
37.5	3269
40.0	3368
42.5	3434
45.0	3487
47.5	3619
50.0	3705
52.5	3931
55.0	4040
57.5	4311
60.0	4496
62.5	4764
65.0	5234
67.5	5800
70.0	6271
72.5	5066
75.0	2997
77.5	1066

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CANDELA TABULATION - (Cont.)

80.0	682
82.5	546
85.0	403
87.5	258
90.0	186
92.5	241
95.0	300
97.5	301
100.0	281
102.5	257
105.0	234
107.5	214
110.0	197
112.5	183
115.0	171
117.5	162
120.0	155
122.5	148
125.0	143
127.5	140
130.0	141
132.5	142
135.0	145
137.5	146
140.0	133
142.5	112
145.0	87
147.5	57
150.0	33
152.5	18
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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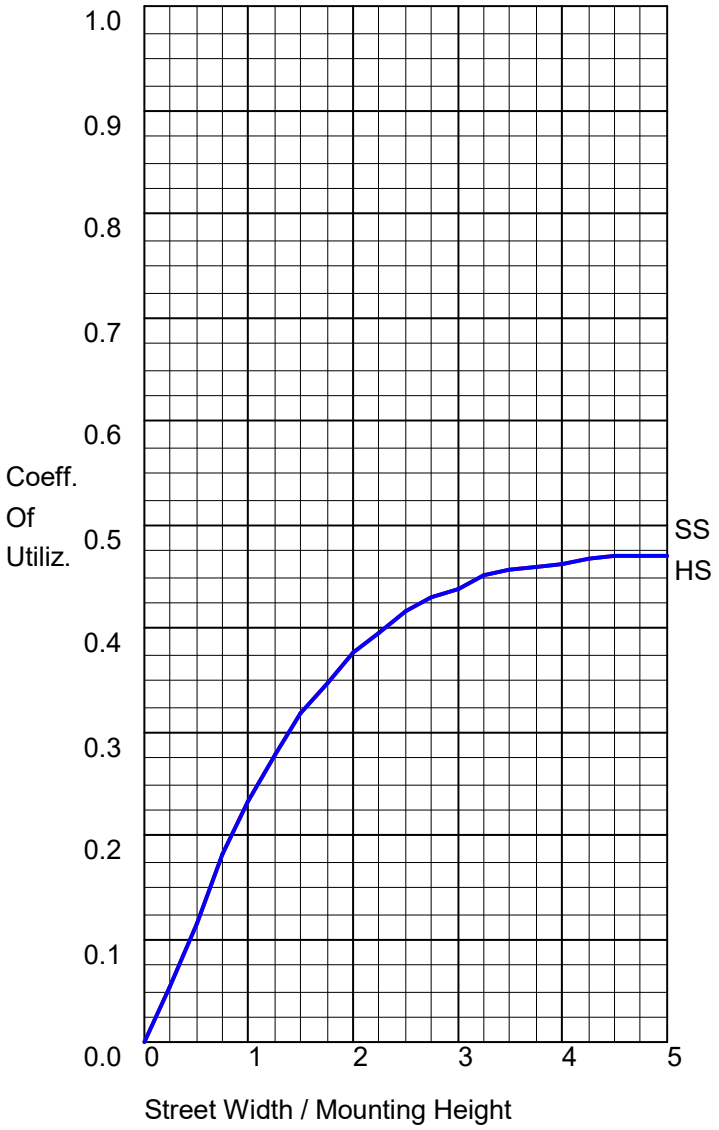
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	12484.4	48.0
Downward House Side	12484.4	48.0
Downward Total	24968.8	96.1
Upward Street Side	507.3	2.0
Upward House Side	507.3	2.0
Upward Total	1014.6	3.9
Total Flux	25983.4	100.0

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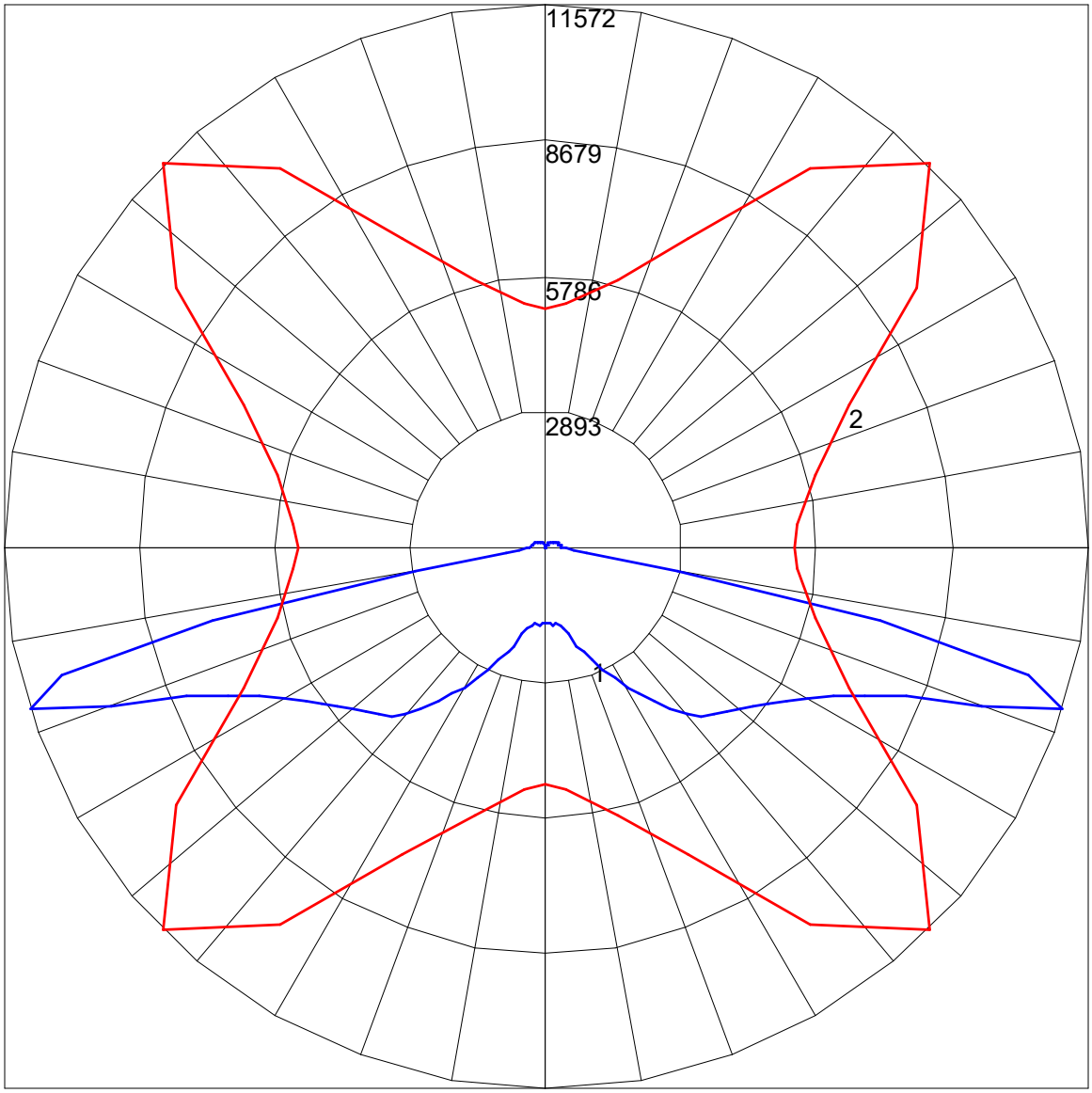
POLAR GRAPH



Maximum Candela = 11572 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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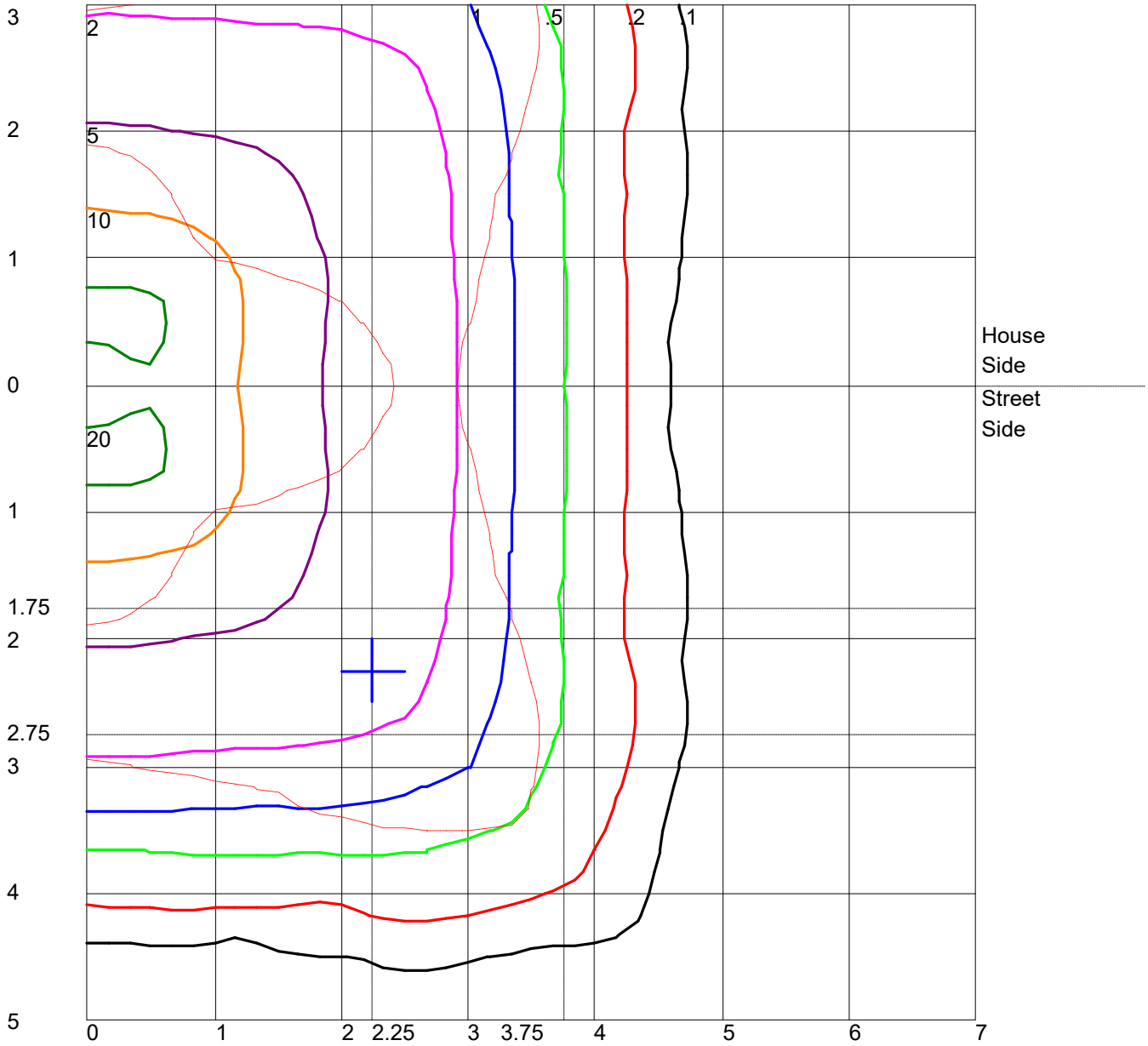
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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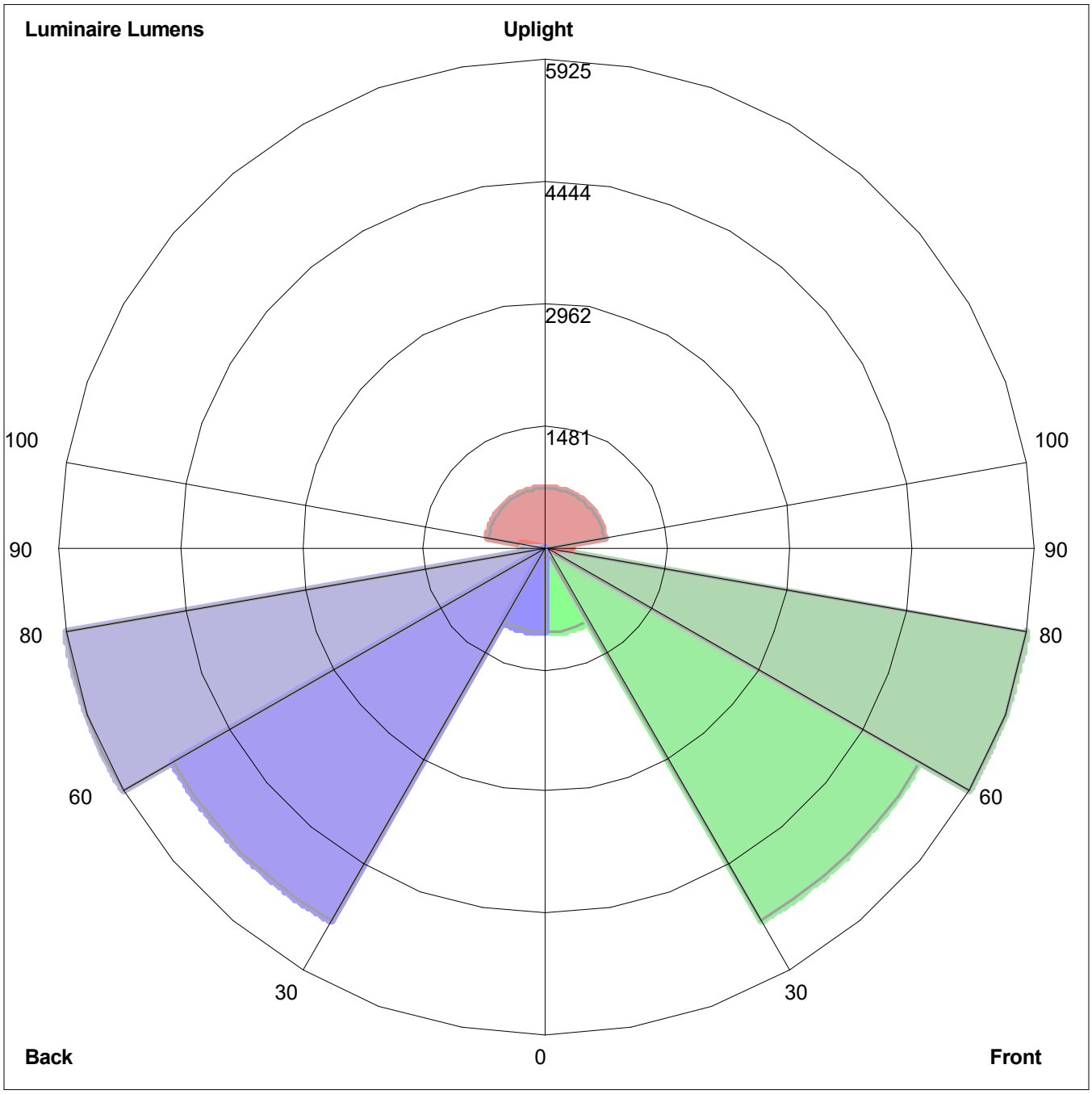
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1036.8, Medium=5230.5, High=5924.8, Very High=292.5
Back: Low=1036.8, Medium=5230.5, High=5924.8, Very High=292.5
Uplight: Low=302.4, High=712.1

BUG Rating : B5-U4-G3

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