IES ROAD REPORT
PHOTOMETRIC FILENAME : MPP-LED-25L-SIL-5W-50-70CRI.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-50-70CRI
[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] 5000

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	25565
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	191
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Maximum Candela	11386
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	11386
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	362 (1.4% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2812 (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)	1020.1	N.A.	4.0
FM - Front-Medium (30-60)	5146.2	N.A.	20.1
FH - Front-High (60-80)	5829.3	N.A.	22.8
FVH - Front-Very High (80-90)	287.7	N.A.	1.1
BL - Back-Low (0-30)	1020.1	N.A.	4.0
BM - Back-Medium (30-60)	5146.2	N.A.	20.1
BH - Back-High (60-80)	5829.3	N.A.	22.8
BVH - Back-Very High (80-90)	287.7	N.A.	1.1
UL - Uplight-Low (90-100)	297.5	N.A.	1.2
UH - Uplight-High (100-180)	700.8	N.A.	2.7
Total	25564.9	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	1577	1577	1577	1577	1577	1577	1577	1577	1577	1577
2.5	1582	1582	1592	1588	1593	1590	1588	1582	1579	1571
5.0	1604	1599	1612	1627	1651	1654	1656	1650	1605	1581
7.5	1620	1613	1617	1627	1636	1640	1657	1665	1645	1621
10.0	1693	1702	1694	1718	1715	1690	1671	1683	1696	1670
12.5	1850	1846	1840	1810	1821	1779	1762	1771	1835	1801
15.0	1955	2007	1995	1978	1985	1901	1917	1914	1923	1889
17.5	2252	2198	2218	2155	2164	2170	2066	2063	2054	2053
20.0	2387	2421	2424	2387	2398	2321	2344	2269	2171	2200
22.5	2711	2728	2725	2636	2674	2573	2546	2457	2401	2407
25.0	2942	2955	2959	2928	2910	2832	2749	2714	2569	2569
27.5	3283	3268	3275	3207	3200	3127	3018	2896	2762	2827
30.0	3545	3573	3559	3511	3487	3419	3287	3105	3038	2970
32.5	3750	3759	3835	3882	3797	3678	3553	3327	3202	3110
35.0	3874	3874	3975	4136	4184	3974	3760	3514	3336	3175
37.5	3999	3981	4105	4312	4455	4311	3915	3632	3412	3247
40.0	4081	4077	4224	4480	4654	4613	4080	3791	3453	3327
42.5	4201	4178	4342	4625	4828	4814	4301	3861	3525	3415
45.0	4328	4289	4458	4770	4986	5004	4628	3947	3637	3491
47.5	4451	4438	4564	4915	5143	5146	4860	4078	3781	3580
50.0	4597	4597	4699	5057	5312	5309	5027	4200	4008	3673
52.5	4762	4763	4860	5211	5493	5510	5191	4547	4172	3875
55.0	4956	4952	5060	5399	5685	5743	5381	4844	4222	4053
57.5	5177	5190	5290	5626	5924	5991	5607	5156	4438	4219
60.0	5439	5460	5576	5881	6250	6332	5909	5497	4655	4505
62.5	5742	5760	5921	6226	6683	6823	6292	5768	5083	4714
65.0	6006	6040	6233	6630	7297	7393	6704	6155	5591	5148
67.5	6152	6195	6459	7037	8051	8203	7509	6723	6208	5775
70.0	6143	6219	6458	7332	9057	9749	8776	7494	6812	6229
72.5	5226	5313	5867	7043	9500	11386	9709	7131	5826	5111
75.0	2310	2422	3320	5056	8282	10522	7816	5032	3659	3067
77.5	658	708	904	1676	4679	7209	5106	2321	1423	1042
80.0	471	520	602	716	1275	2812	1665	846	730	646
82.5	353	408	478	539	680	866	709	618	587	527
85.0	258	314	386	424	495	586	518	496	500	449
87.5	188	237	317	343	381	425	395	407	427	381
90.0	126	169	254	280	304	320	314	340	362	308
92.5	127	161	247	274	296	312	304	335	352	271
95.0	144	161	243	270	289	306	292	324	334	255
97.5	156	159	234	262	280	296	279	305	293	255
100.0	167	158	224	255	271	284	267	281	247	252
102.5	172	158	214	250	264	272	254	252	210	236
105.0	172	157	202	244	257	261	237	222	190	218
107.5	170	158	189	238	251	248	216	196	178	203
110.0	169	159	179	233	245	233	199	179	169	189
112.5	166	160	170	224	234	215	186	166	162	176
115.0	163	160	162	213	221	201	177	157	157	166
117.5	162	160	156	198	207	191	170	152	154	157
120.0	160	158	151	180	193	182	165	149	151	152
122.5	156	155	145	164	180	175	160	147	147	146
125.0	151	150	140	151	169	168	157	146	143	141
127.5	145	144	136	140	158	161	156	146	143	139
130.0	140	139	134	133	149	156	154	146	143	140

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CANDELA TABULATION - (Cont.)

132.5	136	135	132	128	141	151	148	144	145	141
135.0	134	134	131	127	131	134	134	140	144	144
137.5	134	133	129	119	111	111	116	128	139	143
140.0	119	119	113	101	89	86	95	108	121	130
142.5	98	98	92	80	66	62	71	85	99	109
145.0	76	75	70	59	47	43	50	61	75	84
147.5	53	52	48	40	32	26	31	41	50	56
150.0	37	36	33	28	17	11	14	24	31	33
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	1577
2.5	1567
5.0	1575
7.5	1606
10.0	1650
12.5	1761
15.0	1888
17.5	2015
20.0	2136
22.5	2350
25.0	2570
27.5	2742
30.0	2950
32.5	3017
35.0	3114
37.5	3216
40.0	3314
42.5	3379
45.0	3431
47.5	3561
50.0	3645
52.5	3868
55.0	3975
57.5	4242
60.0	4424
62.5	4687
65.0	5150
67.5	5707
70.0	6170
72.5	4984
75.0	2949
77.5	1049

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CANDELA TABULATION - (Cont.)

80.0	671
82.5	537
85.0	397
87.5	254
90.0	183
92.5	237
95.0	295
97.5	296
100.0	276
102.5	253
105.0	230
107.5	211
110.0	194
112.5	180
115.0	168
117.5	159
120.0	153
122.5	146
125.0	141
127.5	138
130.0	139
132.5	140
135.0	143
137.5	144
140.0	131
142.5	110
145.0	86
147.5	56
150.0	32
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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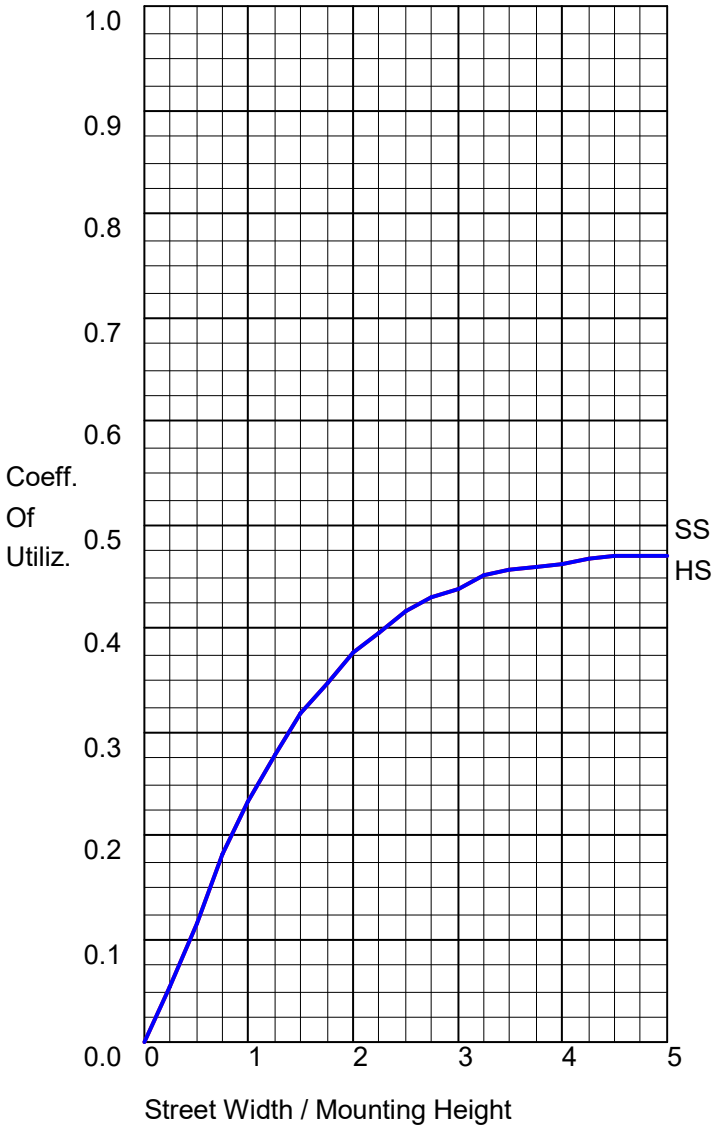
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	12283.4	48.0
Downward House Side	12283.4	48.0
Downward Total	24566.8	96.1
Upward Street Side	499.2	2.0
Upward House Side	499.2	2.0
Upward Total	998.4	3.9
Total Flux	25565.2	100.0

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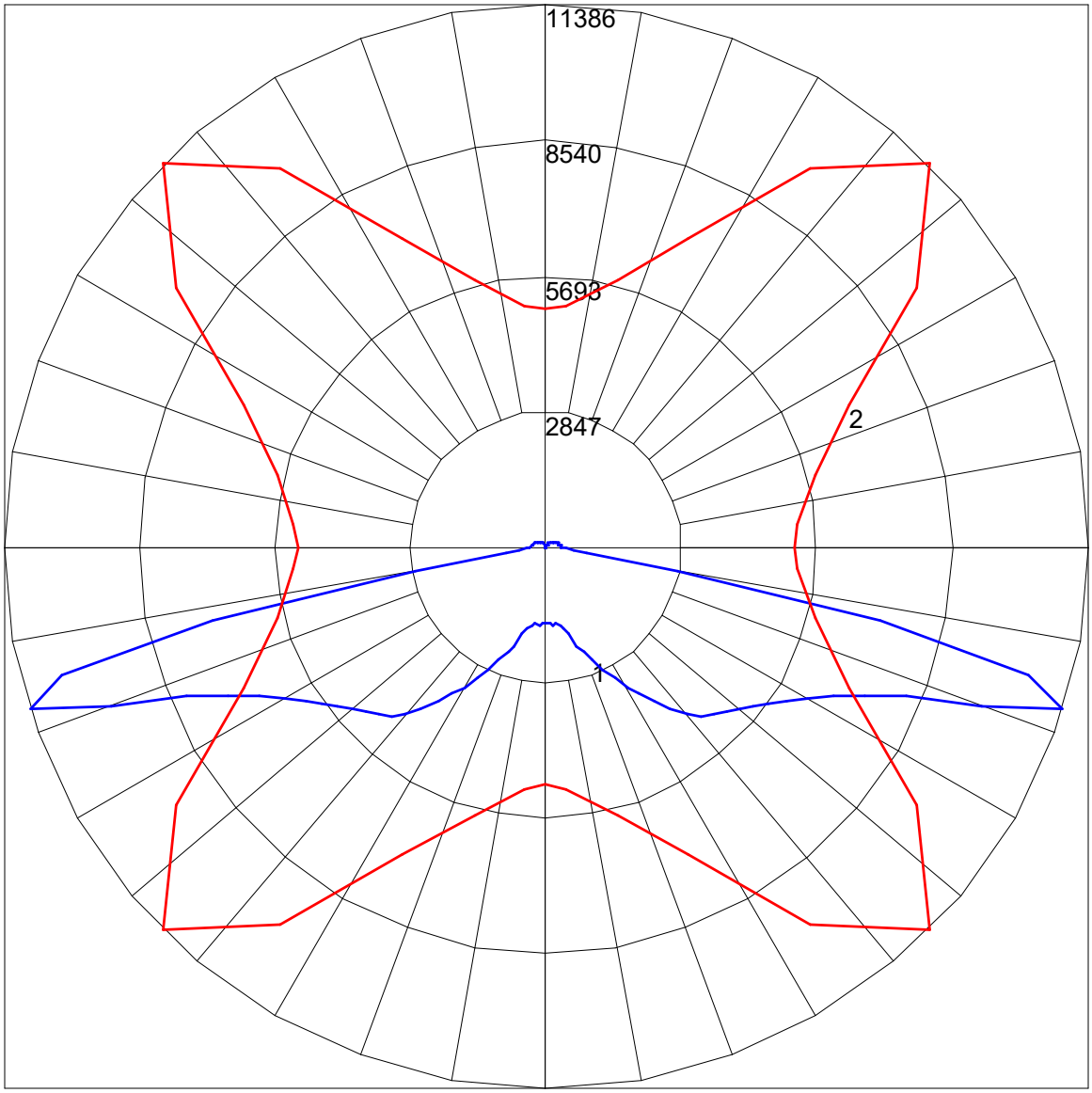
POLAR GRAPH



Maximum Candela = 11386 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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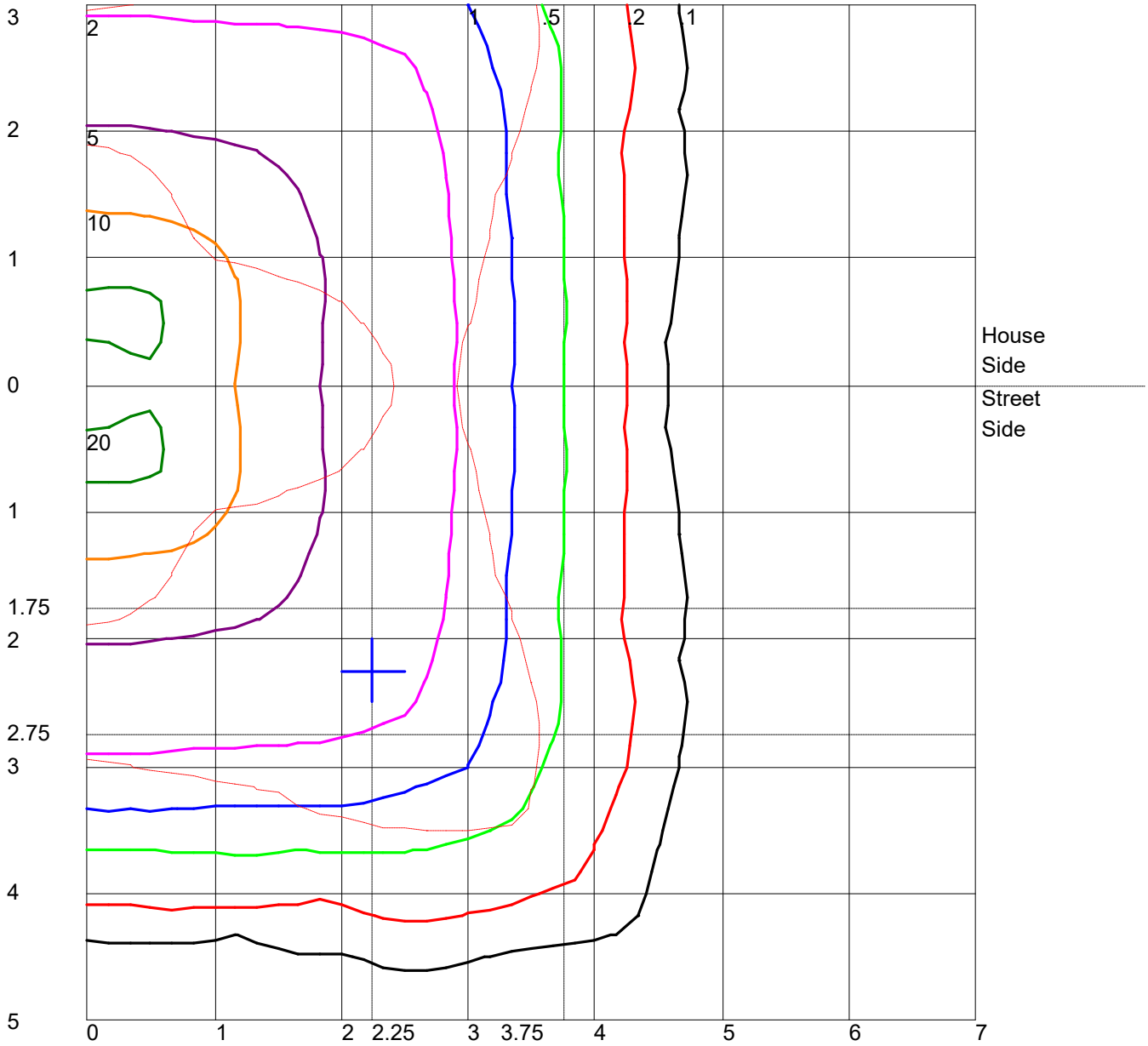
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



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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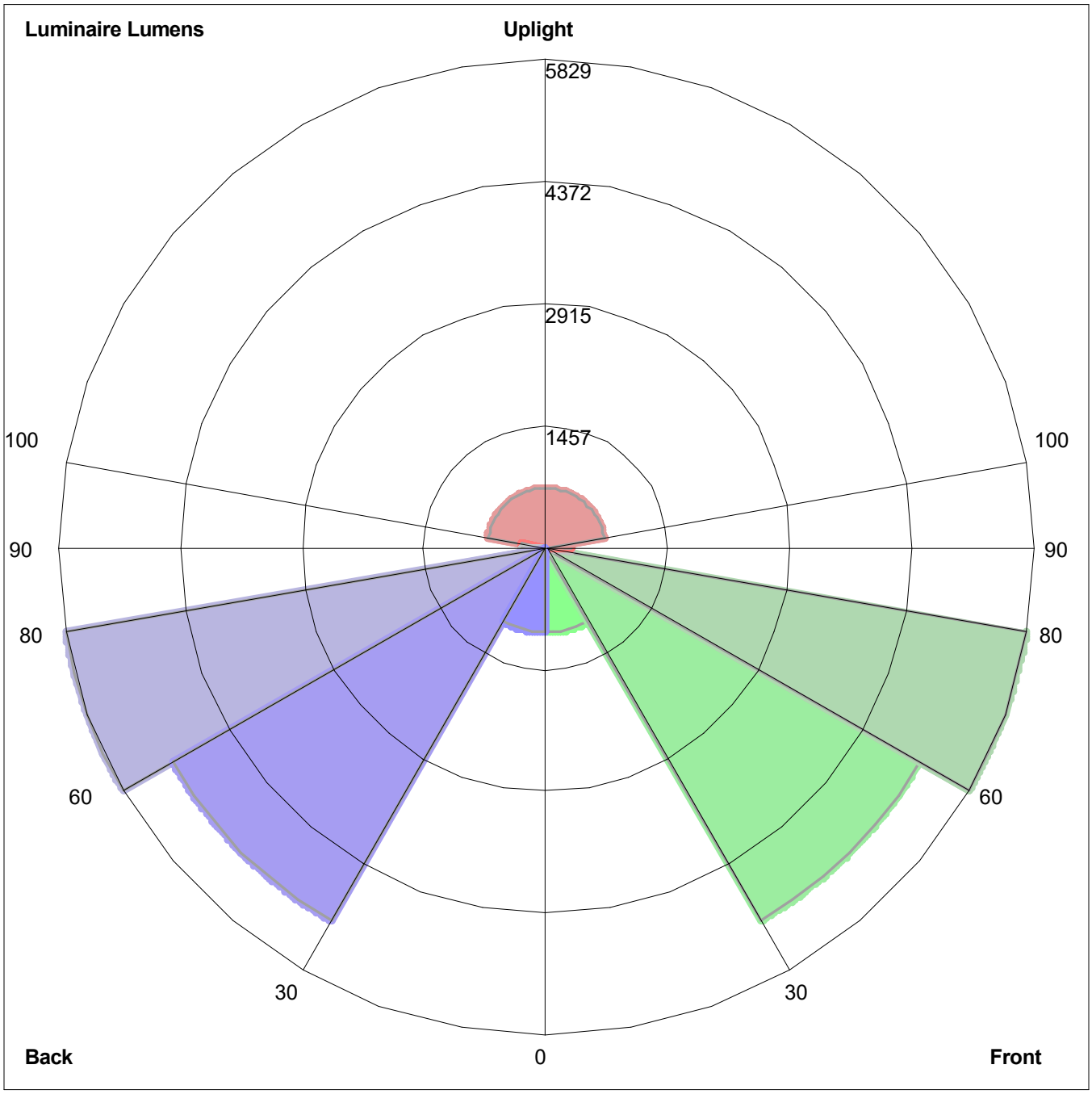
LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1020.1, Medium=5146.2, High=5829.3, Very High=287.7
Back: Low=1020.1, Medium=5146.2, High=5829.3, Very High=287.7
Uplight: Low=297.5, High=700.8

BUG Rating : B5-U4-G3

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