



IES ROAD REPORT
PHOTOMETRIC FILENAME : ENM4-PT-5W-LED-25L-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11750
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/10/2020
[TEST DATE] 04/24/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] ENM4-PT-5W-LED-25L-40
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] 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	25990
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	227.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12523
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	12523
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	1141 (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)	792.0	N.A.	3.0
FM - Front-Medium (30-60)	6191.3	N.A.	23.8
FH - Front-High (60-80)	5877.8	N.A.	22.6
FVH - Front-Very High (80-90)	107.6	N.A.	0.4
BL - Back-Low (0-30)	792.0	N.A.	3.0
BM - Back-Medium (30-60)	6191.3	N.A.	23.8
BH - Back-High (60-80)	5877.8	N.A.	22.6
BVH - Back-Very High (80-90)	107.6	N.A.	0.4
UL - Uplight-Low (90-100)	16.1	N.A.	0.1
UH - Uplight-High (100-180)	36.6	N.A.	0.1
Total	25990.1	N.A.	100.0
BUG Rating	B5-U2-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	1105	1105	1105	1105	1105	1105	1105	1105	1105	1105
2.5	1090	1093	1102	1114	1112	1108	1107	1100	1105	1105
5.0	1038	1051	1071	1076	1095	1060	1073	1063	1056	1051
7.5	1028	1047	1074	1023	1047	1027	1053	1097	1117	1094
10.0	1081	1098	1107	1043	1077	1094	1122	1116	1183	1141
12.5	1223	1263	1209	1186	1217	1197	1207	1216	1250	1255
15.0	1356	1407	1361	1392	1423	1378	1365	1339	1367	1362
17.5	1482	1531	1511	1536	1592	1625	1549	1516	1553	1534
20.0	1700	1738	1709	1752	1798	1827	1807	1728	1741	1731
22.5	1871	1876	1934	1987	2030	2060	2108	1996	1979	2008
25.0	2080	2051	2135	2259	2315	2359	2417	2338	2200	2250
27.5	2321	2400	2500	2529	2620	2696	2728	2682	2529	2526
30.0	2635	2596	2684	2870	2939	3132	3155	3074	2881	2858
32.5	3069	3115	3079	3138	3364	3520	3607	3505	3283	3102
35.0	3447	3423	3430	3595	3744	4024	4081	3926	3754	3461
37.5	3903	3909	3873	3939	4241	4448	4520	4382	4093	3818
40.0	4191	4241	4271	4429	4679	4897	4972	4852	4549	4067
42.5	4447	4513	4567	4748	5139	5265	5380	5184	4863	4325
45.0	4703	4779	4843	5101	5465	5688	5705	5499	5179	4619
47.5	4984	5058	5189	5386	5806	6000	5998	5811	5492	4917
50.0	5276	5358	5516	5680	6068	6302	6345	6179	5876	5270
52.5	5535	5639	5815	6009	6360	6629	6687	6547	6258	5630
55.0	5849	5978	6161	6381	6718	7032	7120	7007	6699	6130
57.5	6306	6396	6587	6863	7245	7643	7794	7620	7283	6633
60.0	6808	6865	7114	7408	7985	8544	8558	8168	7635	6911
62.5	7133	7241	7532	7965	8769	9502	9334	8497	7795	6988
65.0	7212	7340	7735	8399	9642	10626	9870	8664	7831	6937
67.5	6291	6467	7111	8264	10258	11865	10581	8928	7720	6632
70.0	4422	4574	5177	6746	9853	12523	10613	8124	6302	5023
72.5	2423	2537	3089	4222	7453	10659	8377	5608	3803	2851
75.0	965	1005	1216	1951	4270	6852	4761	2804	1673	1258
77.5	443	462	542	808	1700	2964	2040	1239	737	582
80.0	231	238	267	383	720	1141	900	559	354	324
82.5	164	165	178	223	315	418	344	301	245	239
85.0	112	112	120	146	191	212	198	189	155	152
87.5	64	63	67	76	92	97	90	84	70	61
90.0	15	15	19	18	21	24	22	19	17	12
92.5	11	11	14	15	19	23	22	20	17	12
95.0	10	10	12	13	17	21	20	18	15	10
97.5	9	9	10	11	13	17	17	15	13	9
100.0	7	7	8	9	11	13	13	12	10	7
102.5	6	7	8	8	9	11	11	10	9	6
105.0	6	6	7	8	9	10	9	9	8	6
107.5	6	6	7	8	8	9	9	8	8	6
110.0	6	7	8	8	8	8	8	8	8	6
112.5	7	7	8	8	9	9	8	8	8	7
115.0	7	7	8	9	9	9	9	9	8	7
117.5	8	8	9	10	10	10	9	9	9	8
120.0	8	9	10	10	11	11	10	10	9	9
122.5	9	9	10	11	12	12	10	10	10	9
125.0	10	10	11	12	12	12	10	10	11	10
127.5	10	10	11	12	12	12	10	10	10	11
130.0	10	10	12	12	12	12	10	11	11	11

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CANDELA TABULATION - (Cont.)

132.5	10	10	11	11	11	11	10	10	11	10
135.0	9	9	10	10	10	9	8	9	9	9
137.5	6	6	6	6	6	6	5	5	6	6
140.0	3	3	3	3	3	2	2	3	3	3
142.5	3	3	3	3	3	2	2	2	3	3
145.0	3	3	3	3	2	2	2	2	2	3
147.5	3	3	3	3	2	2	2	2	3	3
150.0	3	3	3	3	2	2	2	2	2	3
152.5	3	3	3	3	2	2	2	2	3	3
155.0	3	3	3	2	2	2	2	2	2	2
157.5	2	2	2	2	2	2	2	2	2	2
160.0	2	2	2	2	2	2	2	2	2	2
162.5	2	2	2	2	2	1	2	2	2	2
165.0	2	2	2	2	1	1	2	2	2	2
167.5	2	2	2	2	1	1	2	2	2	2
170.0	2	2	2	2	1	1	2	2	2	2
172.5	1	1	2	1	1	1	1	1	2	2
175.0	1	1	2	1	1	1	1	1	2	2
177.5	1	1	1	1	1	1	1	1	1	2
180.0	1	1	1	1	1	1	1	1	1	1

Vert. Horizontal Angles

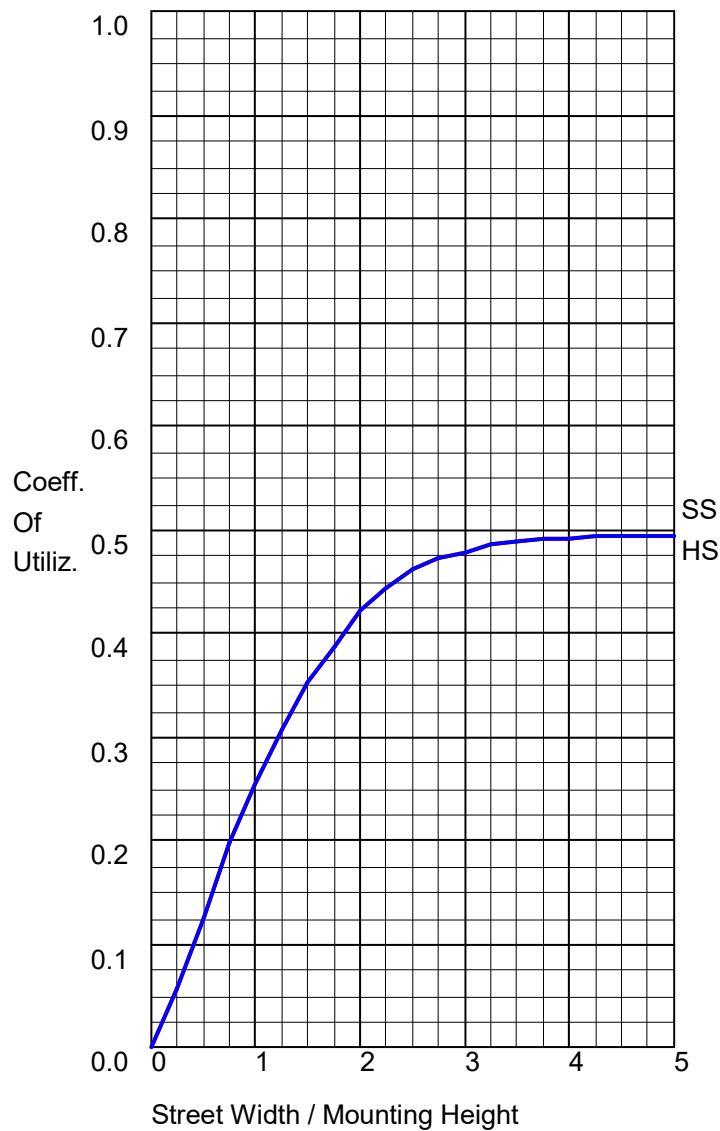
	90
0.0	1105
2.5	1099
5.0	1059
7.5	1109
10.0	1141
12.5	1257
15.0	1371
17.5	1521
20.0	1741
22.5	1978
25.0	2234
27.5	2511
30.0	2791
32.5	3102
35.0	3412
37.5	3783
40.0	4058
42.5	4315
45.0	4602
47.5	4884
50.0	5238
52.5	5604
55.0	5987
57.5	6428
60.0	6598
62.5	6667
65.0	6584
67.5	6271
70.0	4716
72.5	2686
75.0	1192
77.5	553

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CANDELA TABULATION - (Cont.)

80.0	315
82.5	230
85.0	144
87.5	51
90.0	9
92.5	9
95.0	8
97.5	7
100.0	6
102.5	6
105.0	6
107.5	6
110.0	7
112.5	7
115.0	8
117.5	8
120.0	9
122.5	9
125.0	10
127.5	11
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	2
180.0	1

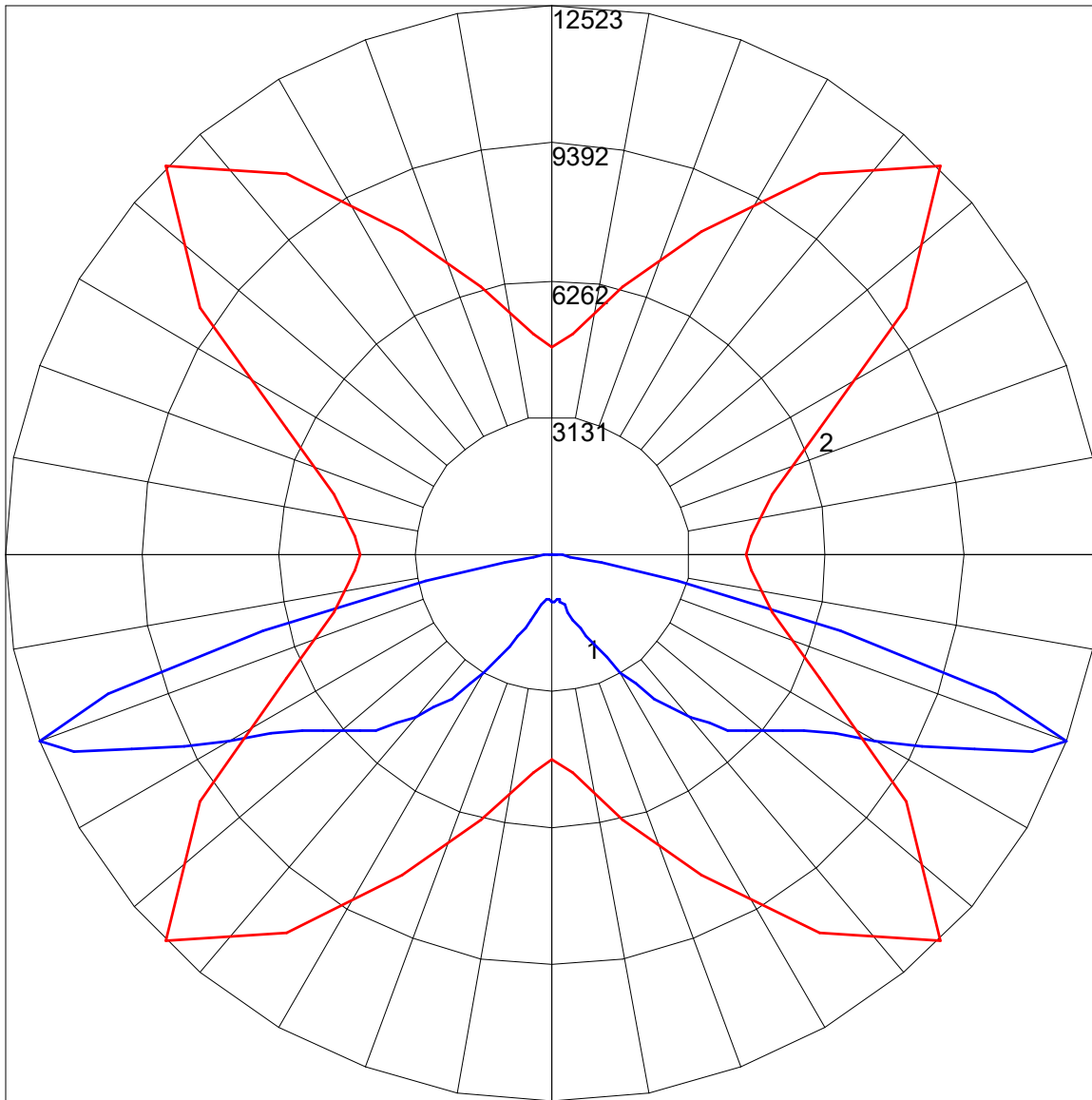
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

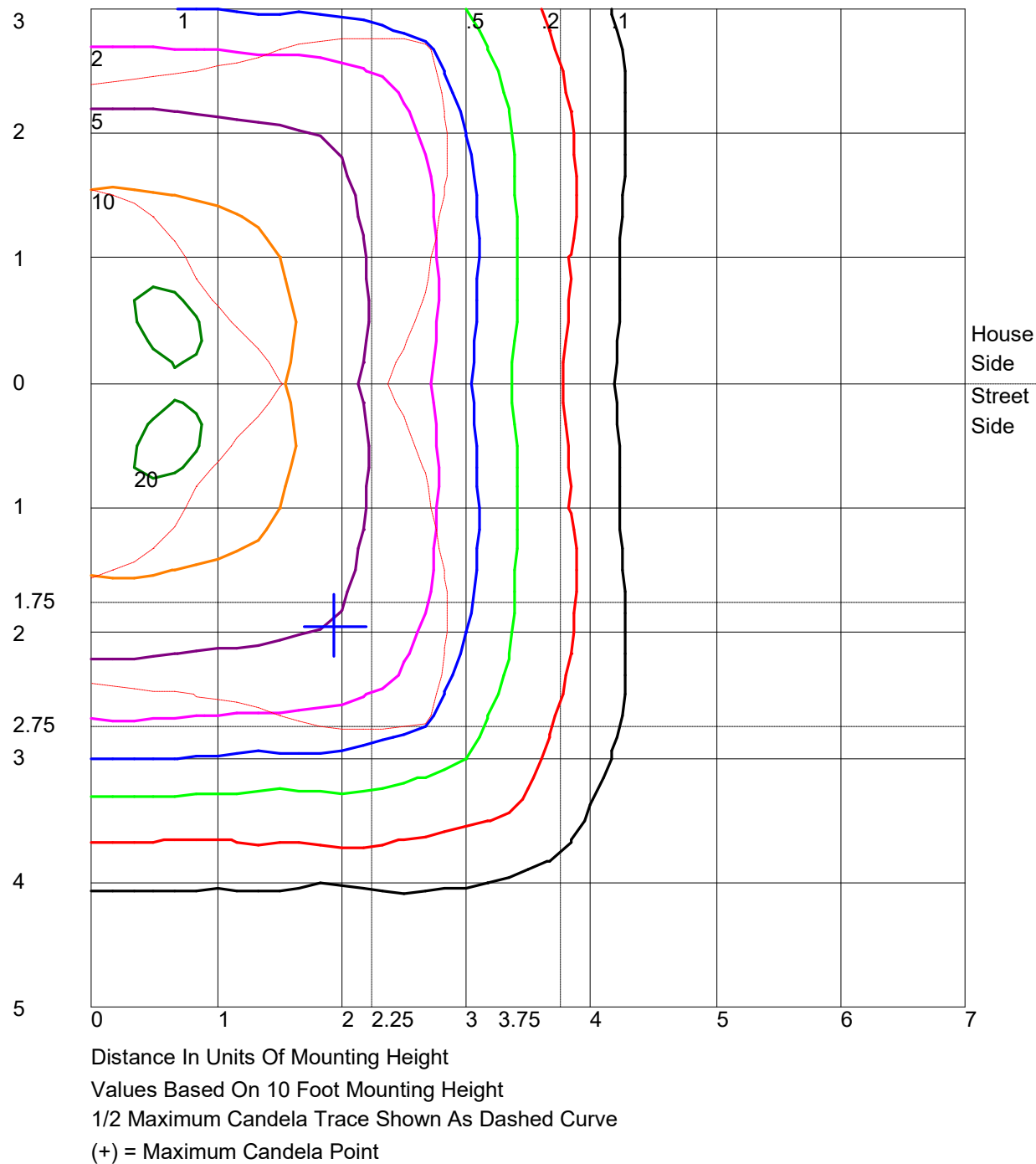
	Lumens	Percent Of Luminaire
Downward Street Side	12968.7	49.9
Downward House Side	12968.7	49.9
Downward Total	25937.2	99.8
Upward Street Side	26.3	0.1
Upward House Side	26.3	0.1
Upward Total	52.6	0.2
Total Flux	25989.8	100.0

POLAR GRAPH

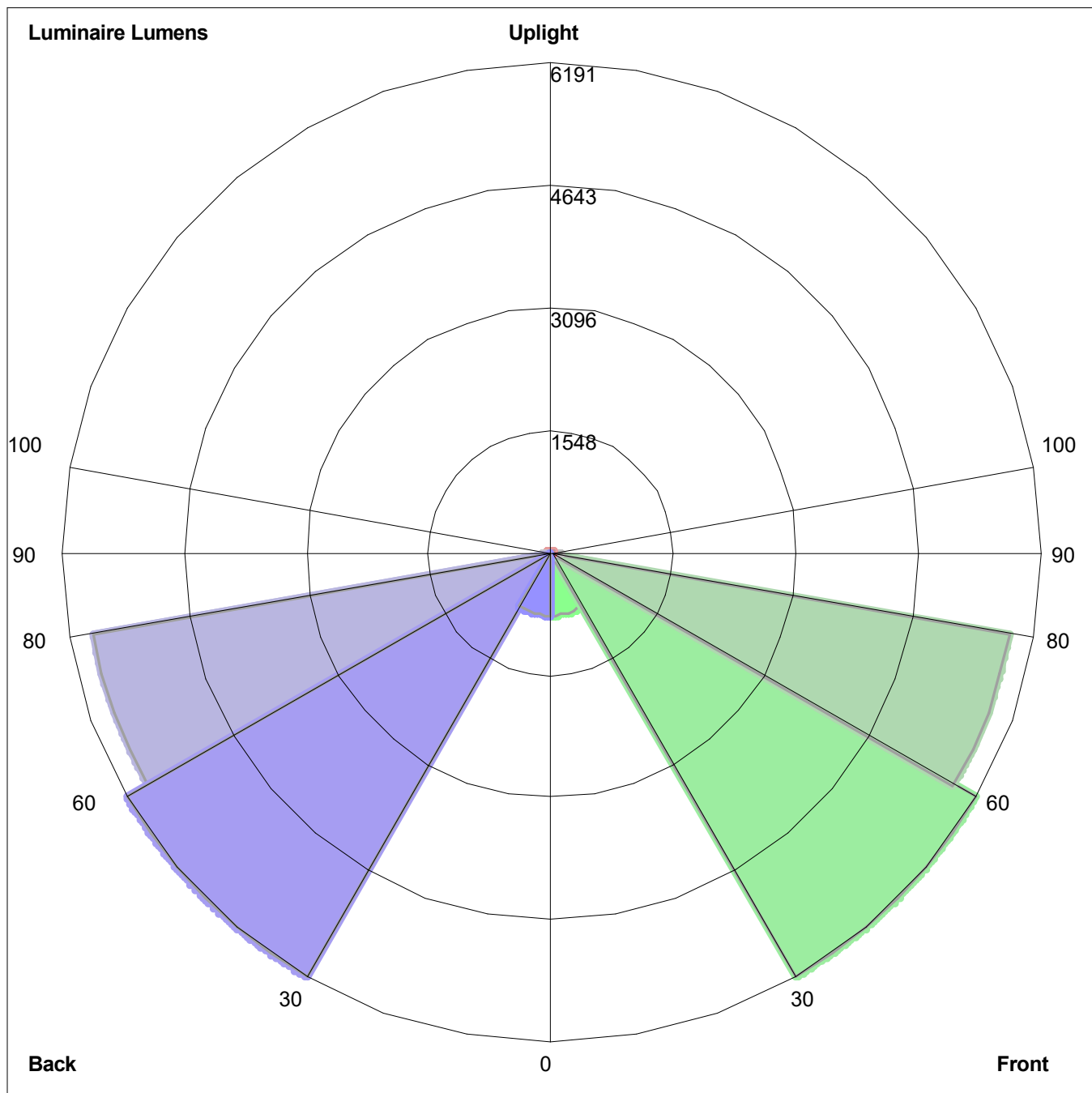


Maximum Candela = 12523 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=792.0, Medium=6191.3, High=5877.8, Very High=107.6
Back: Low=792.0, Medium=6191.3, High=5877.8, Very High=107.6
Uplight: Low=16.1, High=36.6

BUG Rating : B5-U2-G3