



IES ROAD REPORT
PHOTOMETRIC FILENAME : ENM4-SAX-5W-LED-25L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11785
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 06/10/2020
[TEST DATE] 04/30/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] ENM4-SAX-5W-LED-25L-30
[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	25776
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	227.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12547
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	12547
Maximum Candela Angle (<90 Degrees Vertical)	45H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1041 (4.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1076.0	N.A.	4.2
FM - Front-Medium (30-60)	5962.2	N.A.	23.1
FH - Front-High (60-80)	5772.2	N.A.	22.4
FVH - Front-Very High (80-90)	77.8	N.A.	0.3
BL - Back-Low (0-30)	1076.0	N.A.	4.2
BM - Back-Medium (30-60)	5962.2	N.A.	23.1
BH - Back-High (60-80)	5772.2	N.A.	22.4
BVH - Back-Very High (80-90)	77.8	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	25776.4	N.A.	100.0
BUG Rating	B5-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	1873	1873	1873	1873	1873	1873	1873	1873	1873	1873
2.5	1877	1877	1880	1878	1881	1885	1880	1879	1876	1876
5.0	1907	1907	1904	1900	1904	1909	1903	1903	1899	1902
7.5	1945	1944	1946	1944	1945	1947	1947	1942	1937	1941
10.0	2006	2003	2007	2006	2012	2011	2017	2002	1998	1994
12.5	2087	2083	2091	2094	2107	2103	2105	2090	2077	2068
15.0	2179	2178	2191	2213	2220	2222	2219	2200	2176	2168
17.5	2292	2292	2313	2356	2367	2375	2359	2323	2292	2280
20.0	2411	2419	2456	2511	2544	2557	2526	2476	2427	2402
22.5	2533	2554	2613	2692	2749	2764	2724	2650	2581	2543
25.0	2680	2698	2777	2889	2985	3005	2951	2850	2749	2687
27.5	2853	2856	2959	3104	3236	3265	3204	3062	2923	2840
30.0	3019	3031	3157	3343	3508	3555	3466	3293	3122	3014
32.5	3198	3219	3361	3578	3786	3851	3747	3540	3336	3214
35.0	3399	3414	3568	3823	4054	4163	4041	3803	3559	3418
37.5	3619	3627	3793	4076	4356	4474	4344	4080	3795	3640
40.0	3838	3864	4048	4349	4644	4784	4644	4366	4067	3890
42.5	4082	4127	4326	4628	4969	5104	4951	4659	4343	4162
45.0	4378	4413	4611	4927	5281	5429	5272	4964	4642	4442
47.5	4697	4721	4925	5251	5613	5763	5604	5282	4952	4749
50.0	5000	5025	5252	5586	5978	6127	5940	5608	5292	5081
52.5	5352	5365	5593	5945	6352	6528	6314	5969	5679	5439
55.0	5752	5770	5989	6333	6758	6979	6757	6384	6116	5853
57.5	6160	6182	6440	6799	7295	7597	7317	6931	6566	6251
60.0	6647	6661	6936	7348	8007	8461	8015	7440	6963	6577
62.5	7048	7112	7410	7949	8867	9514	8720	7835	7206	6756
65.0	7177	7283	7765	8509	9719	10562	9304	8084	7400	6929
67.5	6339	6455	7219	8591	10549	11639	10083	8511	7518	6821
70.0	4465	4562	5387	7020	10225	12547	10359	7774	6032	5097
72.5	2173	2247	2875	4441	7559	10650	8203	5405	3667	2930
75.0	759	816	1076	1925	4155	6904	4819	2761	1541	1233
77.5	316	338	441	731	1526	2856	1974	1148	663	539
80.0	150	149	171	270	600	1041	816	466	282	263
82.5	102	100	109	145	212	323	277	228	177	183
85.0	65	64	68	90	122	150	144	134	104	106
87.5	31	31	33	39	49	59	54	50	39	34
90.0	0	0	0	0	0	0	0	0	0	0

**Vert.
Angles** **Horizontal Angles**

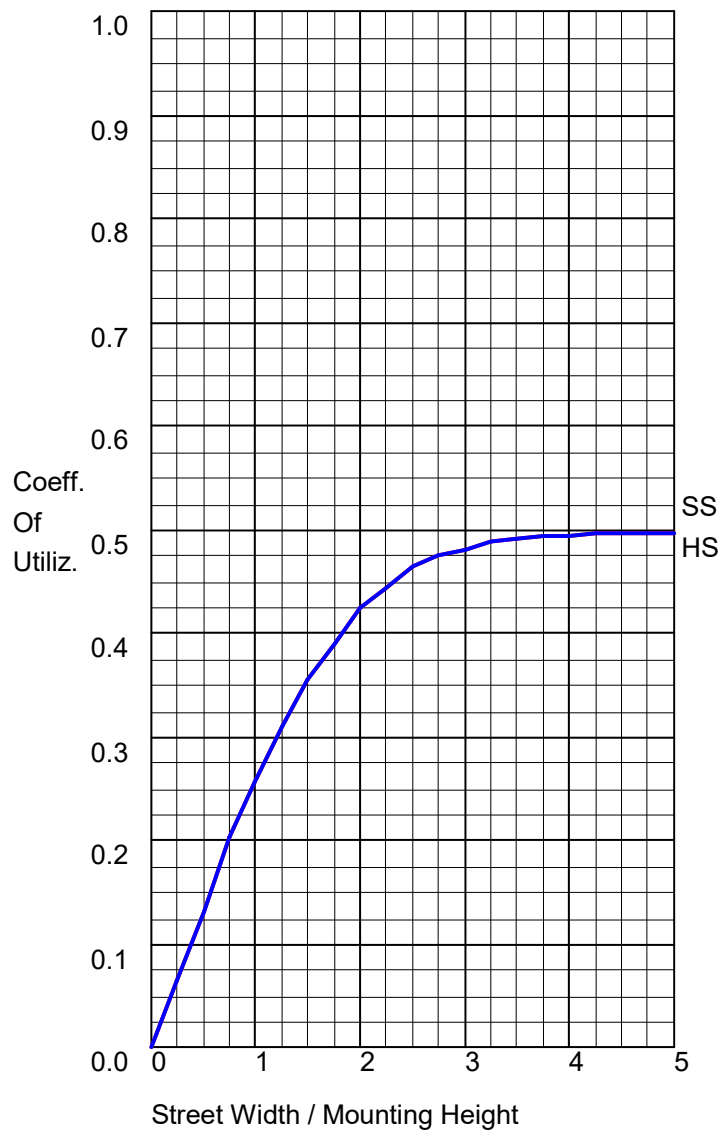
	<u>90</u>
0.0	1873
2.5	1870
5.0	1894
7.5	1936
10.0	1986
12.5	2062
15.0	2159
17.5	2276
20.0	2394
22.5	2528
25.0	2671
27.5	2824

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CANDELA TABULATION - (Cont.)

30.0	3001
32.5	3191
35.0	3393
37.5	3612
40.0	3860
42.5	4125
45.0	4430
47.5	4746
50.0	5050
52.5	5406
55.0	5829
57.5	6232
60.0	6543
62.5	6690
65.0	6872
67.5	6693
70.0	4981
72.5	2886
75.0	1220
77.5	536
80.0	268
82.5	185
85.0	104
87.5	29
90.0	0

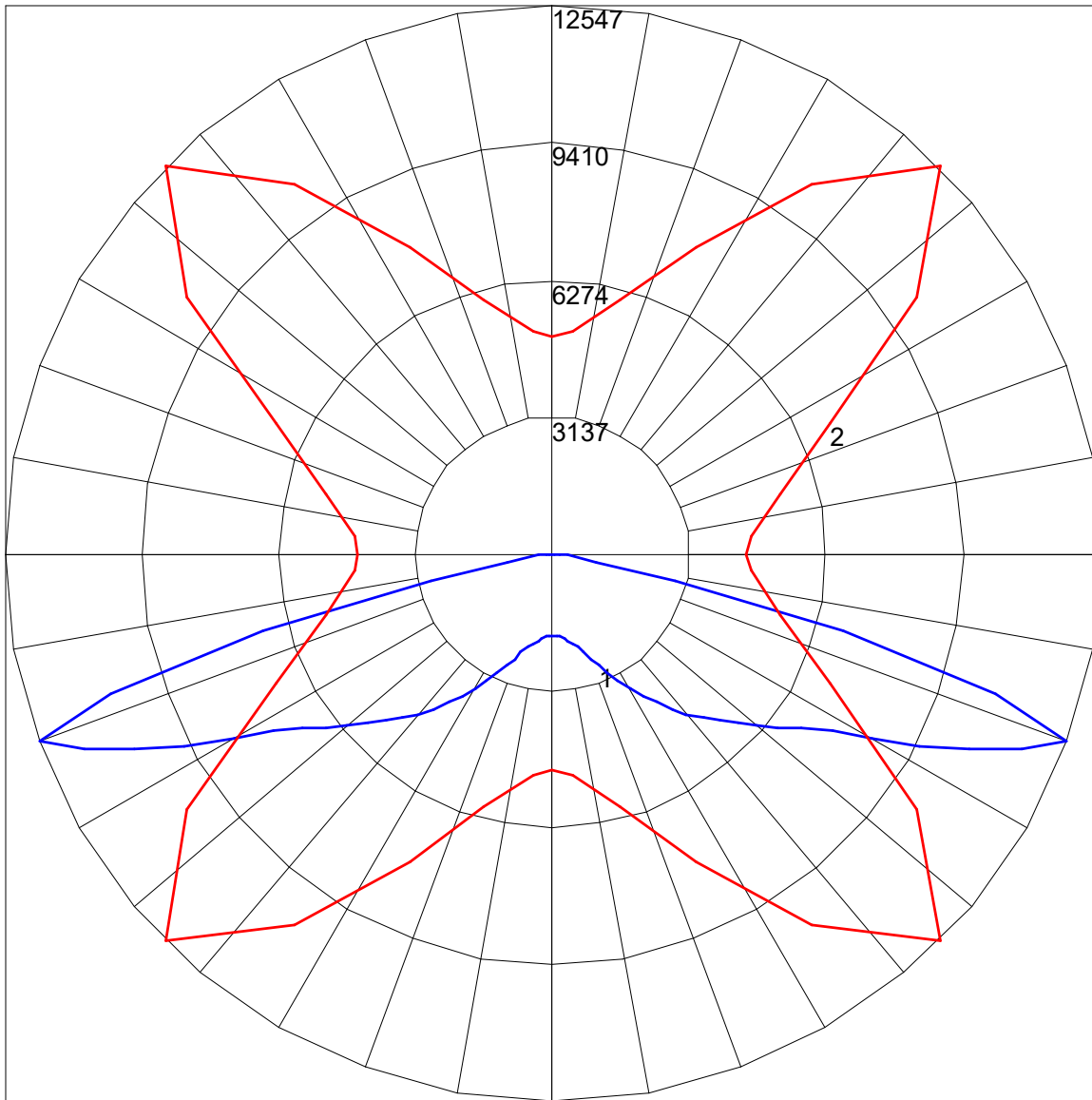
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

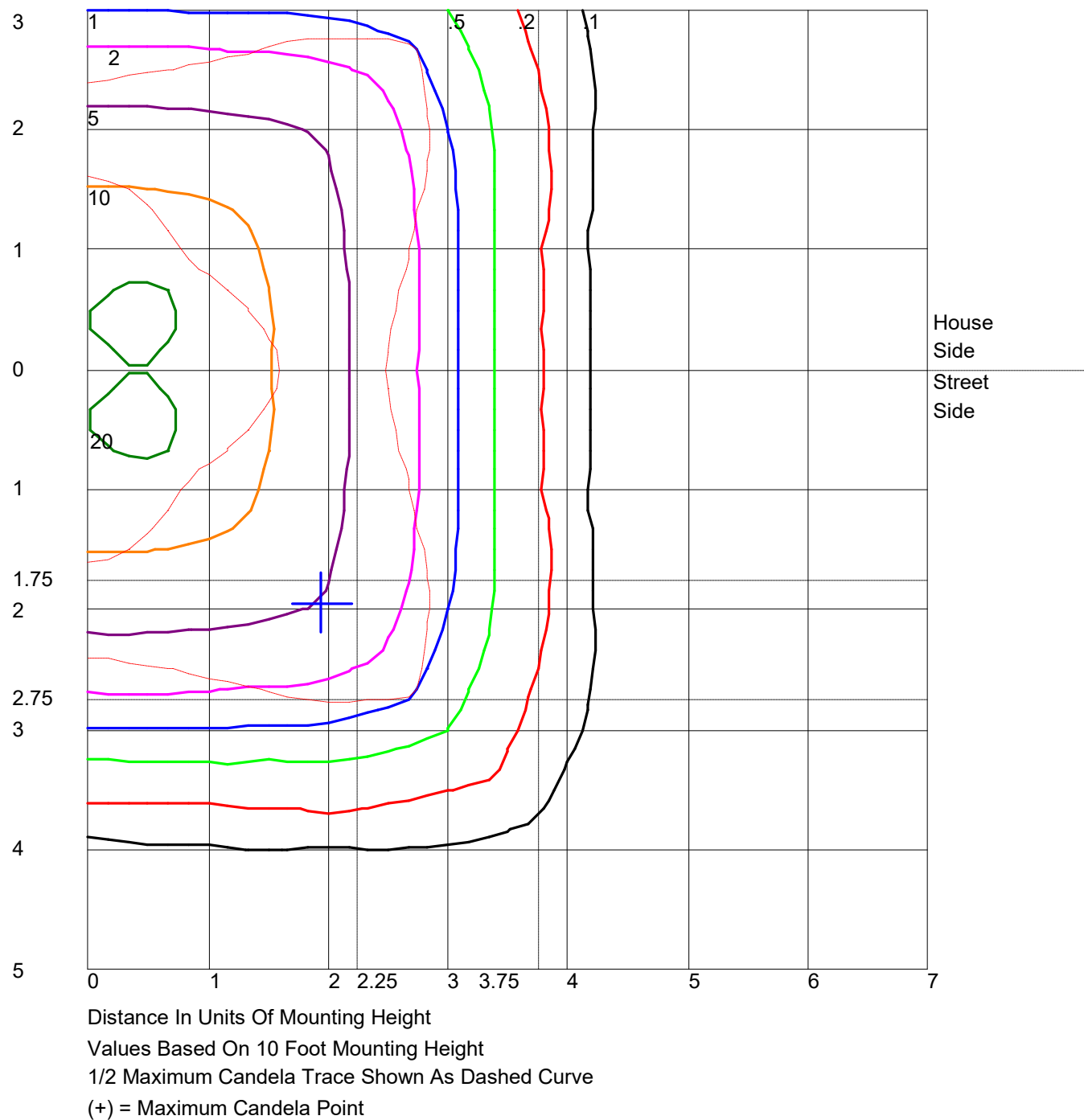
	Lumens	Percent Of Luminaire
Downward Street Side	12888.1	50.0
Downward House Side	12888.1	50.0
Downward Total	25776.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	25776.2	100.0

POLAR GRAPH

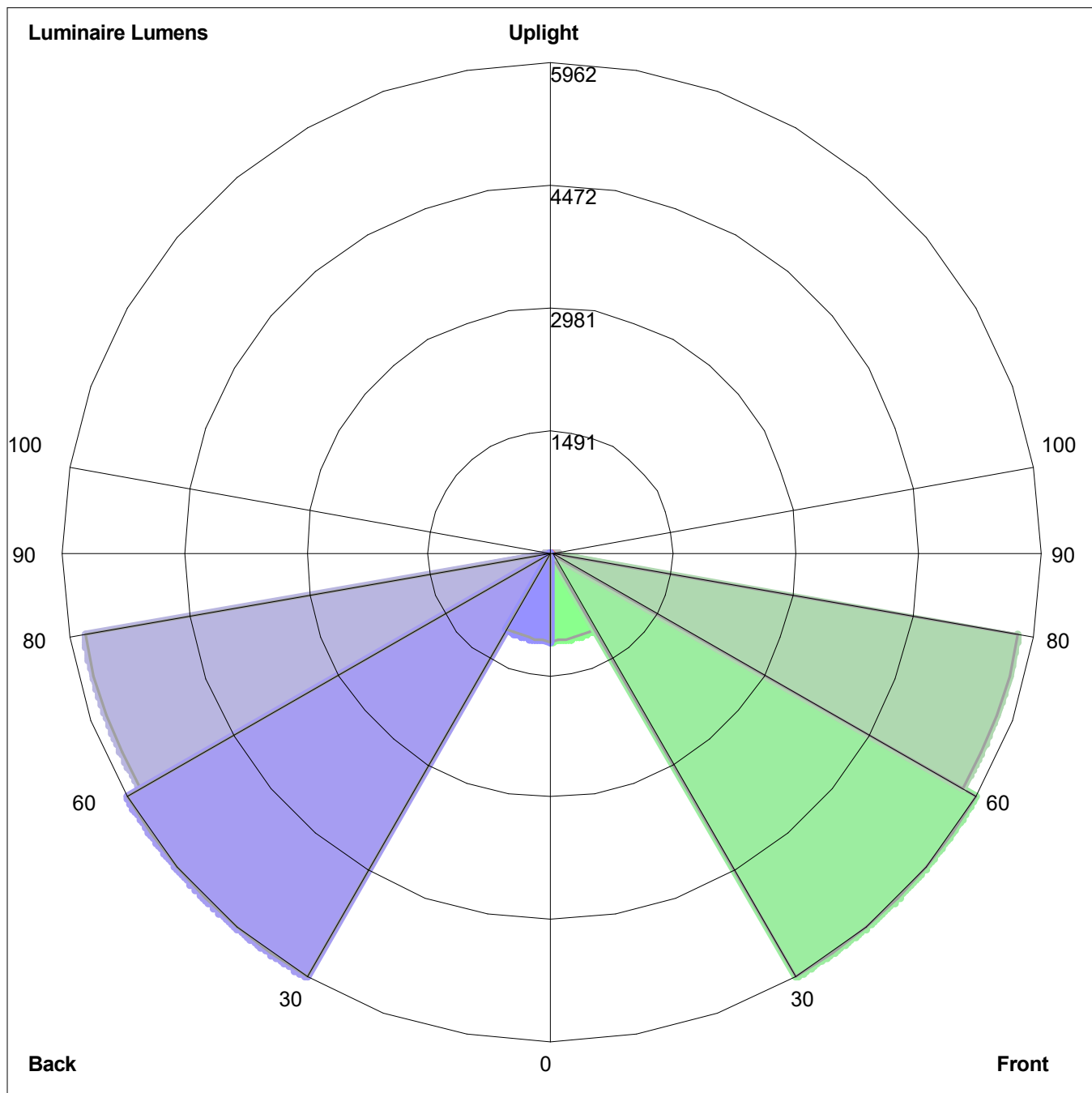


Maximum Candela = 12547 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1076.0, Medium=5962.2, High=5772.2, Very High=77.8
Back: Low= 1076.0, Medium=5962.2, High=5772.2, Very High=77.8
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G3