



IES ROAD REPORT
PHOTOMETRIC FILENAME : ENM4-SAX-5W-LED-25L-40.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-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	29021
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	227.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	14126
Maximum Candela Angle	45H 70V
Maximum Candela (<90 Degrees Vertical)	14126
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	1172 (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)	1211.4	N.A.	4.2
FM - Front-Medium (30-60)	6712.6	N.A.	23.1
FH - Front-High (60-80)	6498.8	N.A.	22.4
FVH - Front-Very High (80-90)	87.6	N.A.	0.3
BL - Back-Low (0-30)	1211.4	N.A.	4.2
BM - Back-Medium (30-60)	6712.6	N.A.	23.1
BH - Back-High (60-80)	6498.8	N.A.	22.4
BVH - Back-Very High (80-90)	87.6	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	29020.8	N.A.	100.0
BUG Rating	B5-U0-G3		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0	5	15	25	35	45	55	65	75	85
0.0	2109	2109	2109	2109	2109	2109	2109	2109	2109	2109
2.5	2113	2113	2117	2114	2118	2122	2117	2116	2112	2112
5.0	2147	2147	2144	2139	2144	2149	2143	2143	2138	2141
7.5	2190	2189	2191	2189	2190	2192	2192	2187	2181	2185
10.0	2258	2255	2260	2259	2265	2264	2271	2254	2249	2245
12.5	2350	2345	2354	2358	2372	2368	2370	2353	2339	2328
15.0	2453	2452	2467	2491	2499	2502	2498	2477	2450	2441
17.5	2581	2580	2604	2652	2665	2674	2656	2615	2581	2567
20.0	2714	2724	2765	2827	2864	2879	2844	2788	2732	2704
22.5	2852	2876	2942	3031	3095	3112	3067	2983	2906	2863
25.0	3017	3038	3126	3253	3361	3383	3322	3209	3095	3025
27.5	3212	3215	3331	3495	3643	3676	3607	3447	3291	3197
30.0	3399	3412	3554	3764	3949	4002	3902	3707	3515	3393
32.5	3601	3624	3784	4028	4262	4336	4219	3986	3756	3618
35.0	3827	3844	4017	4304	4564	4687	4550	4282	4007	3848
37.5	4074	4083	4270	4589	4904	5037	4891	4594	4273	4098
40.0	4321	4350	4558	4896	5229	5386	5228	4915	4579	4380
42.5	4596	4646	4871	5211	5594	5746	5574	5246	4890	4686
45.0	4929	4969	5191	5547	5946	6112	5936	5589	5226	5001
47.5	5288	5315	5545	5912	6320	6488	6309	5947	5575	5347
50.0	5629	5657	5913	6289	6731	6898	6688	6314	5958	5720
52.5	6026	6040	6297	6693	7151	7350	7109	6720	6394	6124
55.0	6476	6496	6743	7130	7609	7858	7608	7188	6886	6590
57.5	6935	6960	7251	7655	8213	8553	8238	7803	7393	7038
60.0	7484	7499	7809	8273	9015	9526	9024	8377	7840	7405
62.5	7935	8007	8343	8949	9983	10711	9818	8821	8113	7606
65.0	8080	8200	8742	9580	10942	11892	10475	9102	8332	7801
67.5	7137	7268	8128	9672	11877	13104	11352	9582	8464	7680
70.0	5027	5136	6065	7904	11512	14126	11663	8753	6791	5739
72.5	2447	2530	3237	5000	8511	11991	9235	6085	4129	3299
75.0	855	919	1212	2167	4678	7773	5426	3109	1735	1388
77.5	356	380	497	823	1718	3216	2222	1293	746	607
80.0	169	168	193	304	676	1172	919	525	317	296
82.5	115	113	123	163	239	364	312	257	199	206
85.0	73	72	76	101	137	169	162	151	117	119
87.5	35	35	37	44	55	66	61	56	44	38
90.0	0	0	0	0	0	0	0	0	0	0

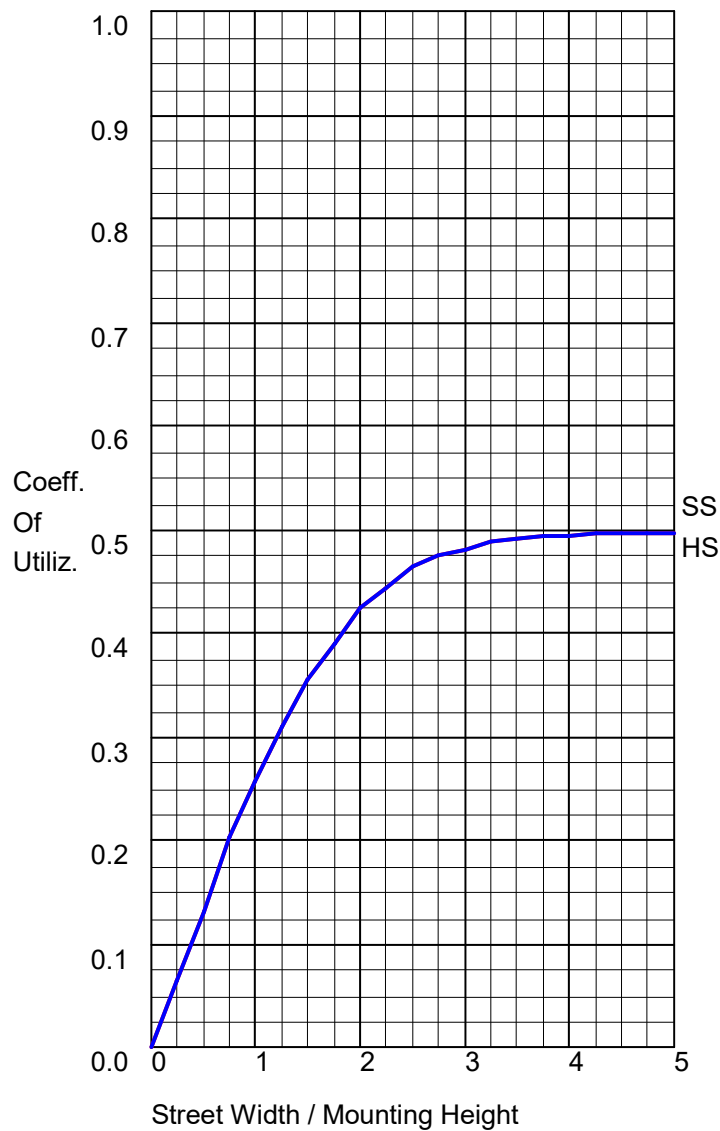
Vert. Angles	Horizontal Angles
	90
0.0	2109
2.5	2105
5.0	2132
7.5	2180
10.0	2236
12.5	2321
15.0	2431
17.5	2562
20.0	2695
22.5	2846
25.0	3007
27.5	3180

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CANDELA TABULATION - (Cont.)

30.0	3379
32.5	3593
35.0	3820
37.5	4067
40.0	4346
42.5	4644
45.0	4988
47.5	5343
50.0	5686
52.5	6086
55.0	6563
57.5	7017
60.0	7367
62.5	7532
65.0	7737
67.5	7535
70.0	5608
72.5	3249
75.0	1374
77.5	603
80.0	302
82.5	208
85.0	117
87.5	33
90.0	0

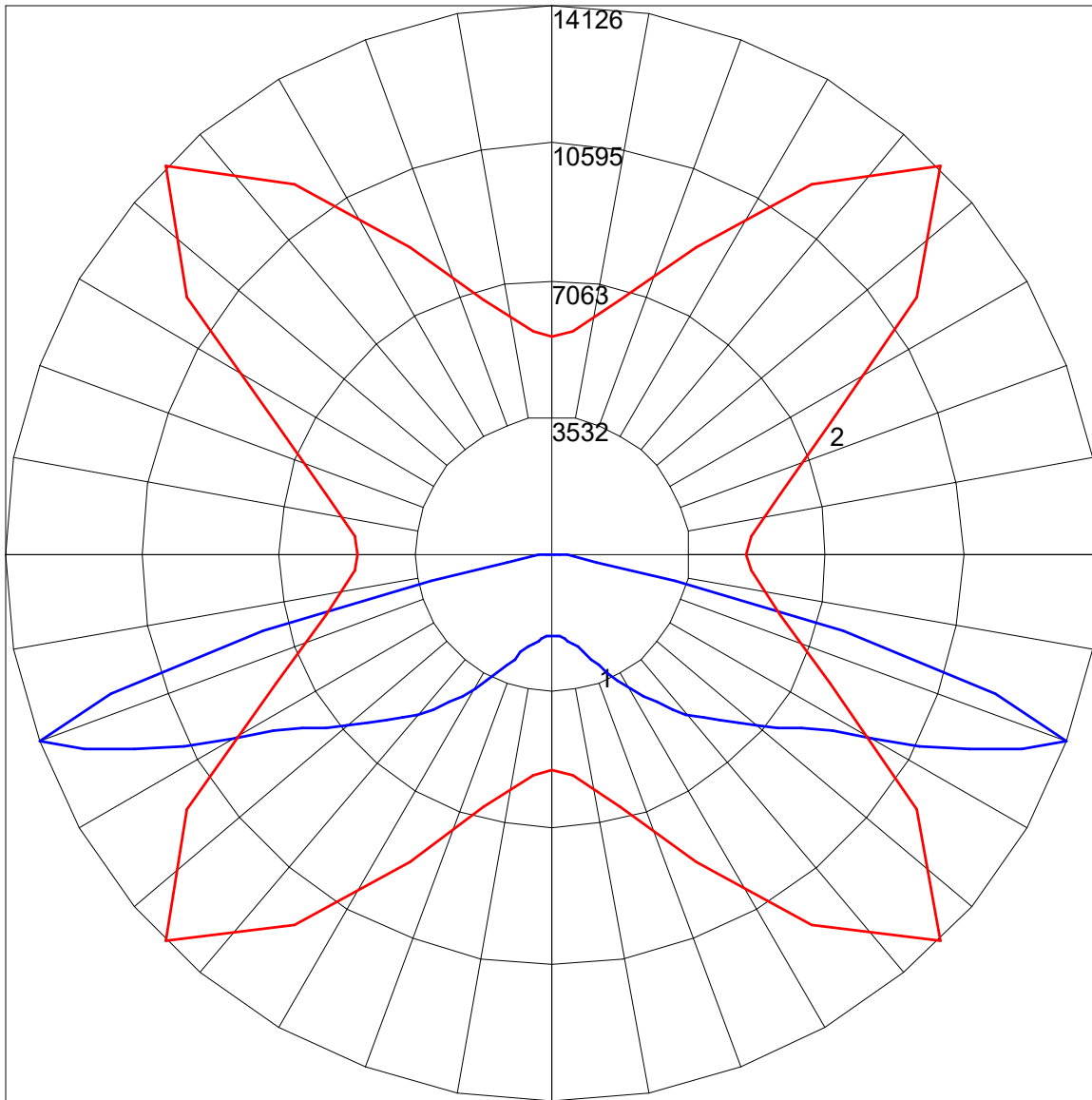
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

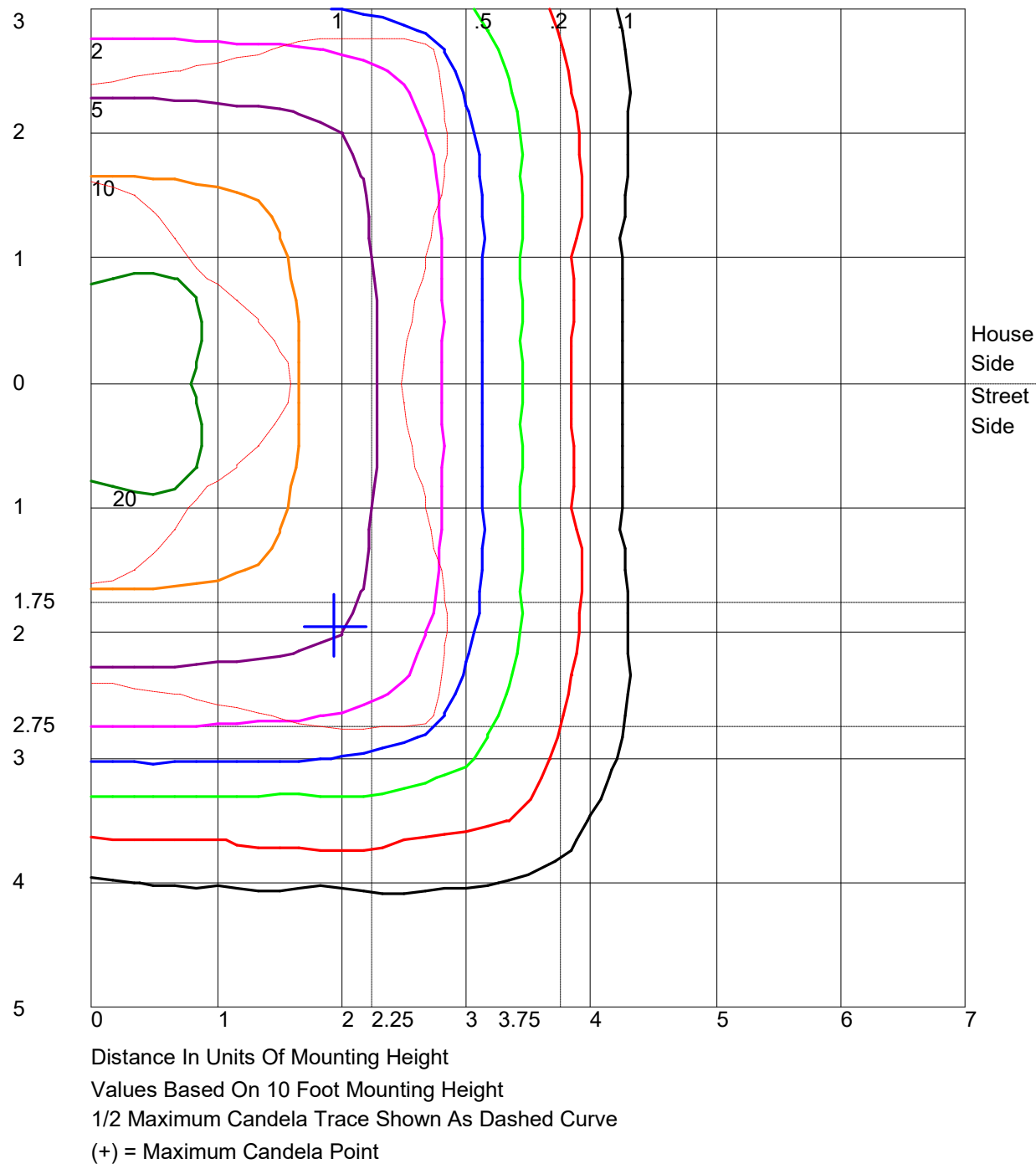
	Lumens	Percent Of Luminaire
Downward Street Side	14510.4	50.0
Downward House Side	14510.4	50.0
Downward Total	29020.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	29020.8	100.0

POLAR GRAPH

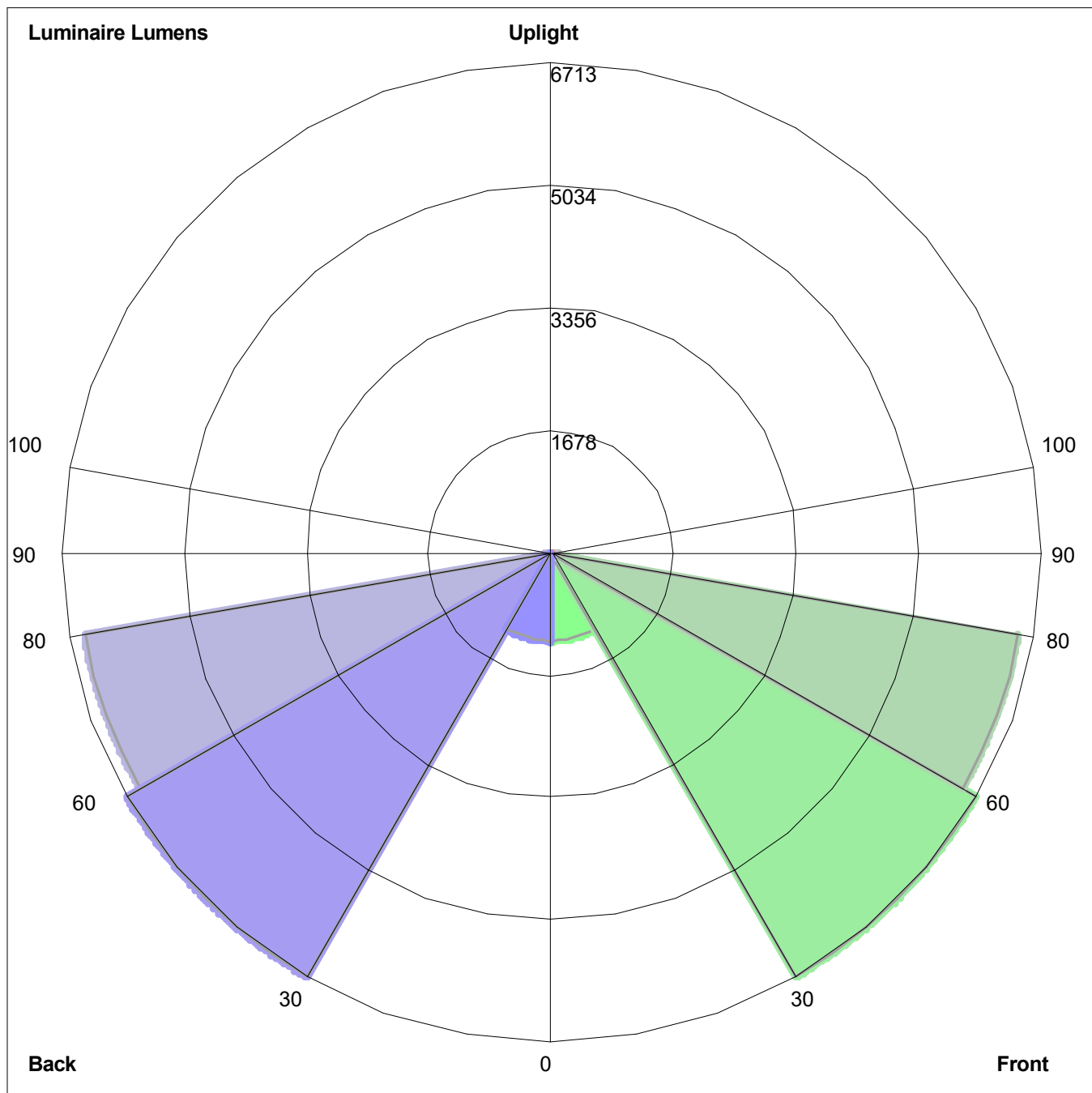


Maximum Candela = 14126 Located At Horizontal Angle = 45, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1211.4, Medium=6712.6, High=6498.8, Very High=87.6
Back: Low=1211.4, Medium=6712.6, High=6498.8, Very High=87.6
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G3