



IES ROAD REPORT

PHOTOMETRIC FILENAME : XMR-5W-LED-35-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-7922

[TESTLAB]LSI INDUSTRIES, INC

[ISSUEDATE]11/21/16

[TESTDATE]09/27/16

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT]XMR-5W-LED-35-50

[_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	35268
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	317.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	18612
Maximum Candela Angle	45H 72.5V
Maximum Candela (<90 Degrees Vertical)	18612
Maximum Candela Angle (<90 Degrees Vertical)	45H 72.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2175 (6.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1386.8	N.A.	3.9
FM - Front-Medium (30-60)	7230.8	N.A.	20.5
FH - Front-High (60-80)	8870.4	N.A.	25.2
FVH - Front-Very High (80-90)	146.0	N.A.	0.4
BL - Back-Low (0-30)	1386.8	N.A.	3.9
BM - Back-Medium (30-60)	7230.8	N.A.	20.5
BH - Back-High (60-80)	8870.4	N.A.	25.2
BVH - Back-Very High (80-90)	146.0	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	35268.0	N.A.	100.0
BUG Rating	B5-U0-G4		

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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	2681	2681	2681	2681	2681	2681	2681	2681	2681	2681
2.5	2679	2687	2688	2692	2693	2690	2691	2689	2683	2684
5.0	2673	2683	2685	2692	2699	2695	2699	2699	2694	2696
7.5	2667	2674	2683	2694	2706	2708	2717	2721	2716	2718
10.0	2687	2690	2704	2719	2738	2744	2755	2760	2756	2758
12.5	2745	2752	2766	2781	2805	2815	2824	2821	2819	2822
15.0	2849	2856	2875	2899	2916	2920	2923	2914	2909	2911
17.5	2975	2983	3012	3050	3072	3069	3056	3039	3022	3024
20.0	3113	3127	3170	3226	3264	3264	3233	3188	3153	3148
22.5	3259	3276	3344	3424	3491	3493	3439	3360	3299	3281
25.0	3416	3441	3529	3642	3742	3756	3683	3567	3466	3431
27.5	3590	3619	3730	3880	4024	4051	3965	3803	3668	3604
30.0	3772	3807	3944	4143	4322	4370	4273	4071	3890	3807
32.5	3968	4002	4166	4412	4647	4709	4609	4369	4135	4017
35.0	4165	4205	4396	4694	4978	5078	4965	4678	4384	4241
37.5	4381	4432	4645	4993	5327	5478	5339	5016	4650	4469
40.0	4614	4676	4911	5303	5703	5886	5727	5359	4930	4712
42.5	4895	4948	5198	5637	6082	6287	6119	5712	5240	4997
45.0	5212	5268	5520	5998	6472	6698	6531	6083	5594	5322
47.5	5592	5654	5892	6382	6872	7122	6949	6480	5968	5678
50.0	5985	6043	6303	6789	7310	7571	7384	6894	6381	6061
52.5	6361	6421	6710	7210	7754	8022	7829	7338	6842	6460
55.0	6806	6858	7143	7640	8231	8523	8304	7769	7283	6886
57.5	7330	7386	7678	8130	8737	9067	8823	8262	7850	7443
60.0	7928	8008	8282	8694	9332	9692	9431	8891	8495	8070
62.5	8730	8805	9073	9390	10097	10545	10184	9604	9320	8918
65.0	9541	9621	9882	10271	11090	11678	11255	10546	10245	9896
67.5	10346	10472	10879	11415	12555	13425	12759	11948	11701	11248
70.0	9993	10190	11194	12454	14401	16364	14892	13330	12042	10776
72.5	6313	6761	8160	10868	14626	18612	15306	11428	8365	6728
75.0	2212	2361	3202	5580	10597	15774	11071	5989	3100	2154
77.5	645	662	865	1534	3978	7825	4281	1698	856	687
80.0	349	350	448	629	1130	2175	1275	762	480	411
82.5	161	166	221	326	550	857	603	374	231	221
85.0	91	95	118	156	247	379	239	158	117	129
87.5	48	49	61	78	99	122	89	63	50	48
90.0	0	0	0	0	0	0	0	0	0	0

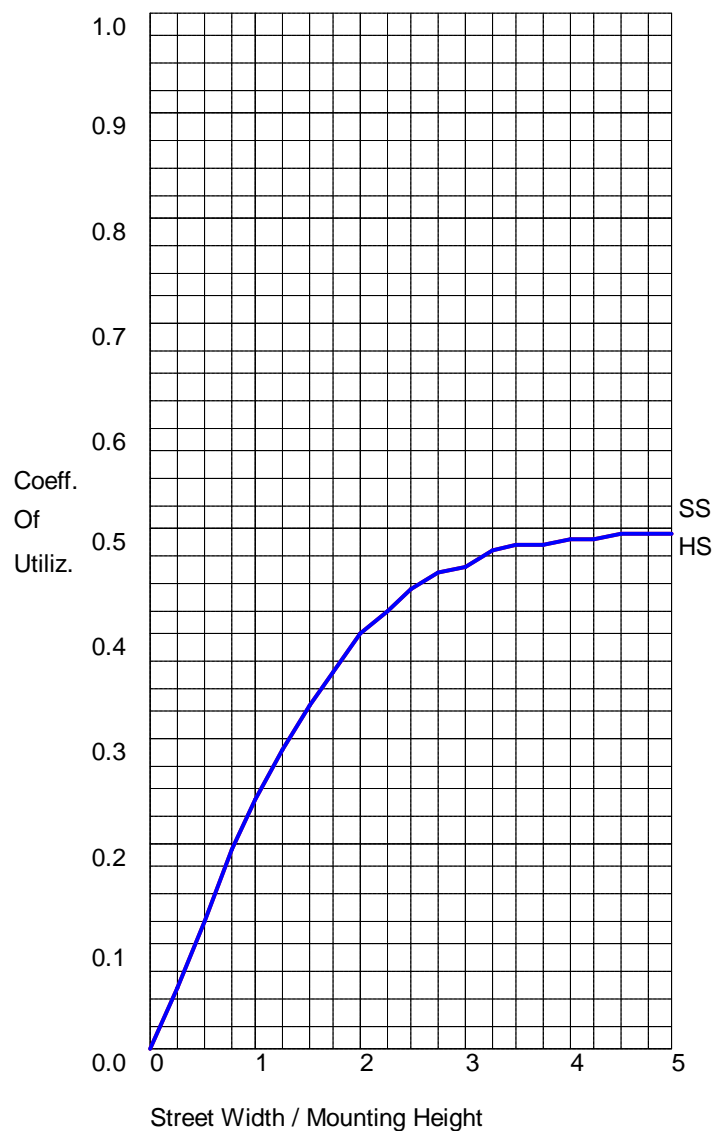
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	2681
2.5	2680
5.0	2692
7.5	2713
10.0	2755
12.5	2819
15.0	2908
17.5	3017
20.0	3140
22.5	3277
25.0	3425
27.5	3596

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CANDELA TABULATION - (Cont.)

30.0	3791
32.5	3999
35.0	4214
37.5	4439
40.0	4694
42.5	4972
45.0	5297
47.5	5643
50.0	6025
52.5	6440
55.0	6835
57.5	7387
60.0	8002
62.5	8871
65.0	9852
67.5	11169
70.0	10629
72.5	6423
75.0	2117
77.5	679
80.0	399
82.5	215
85.0	124
87.5	46
90.0	0

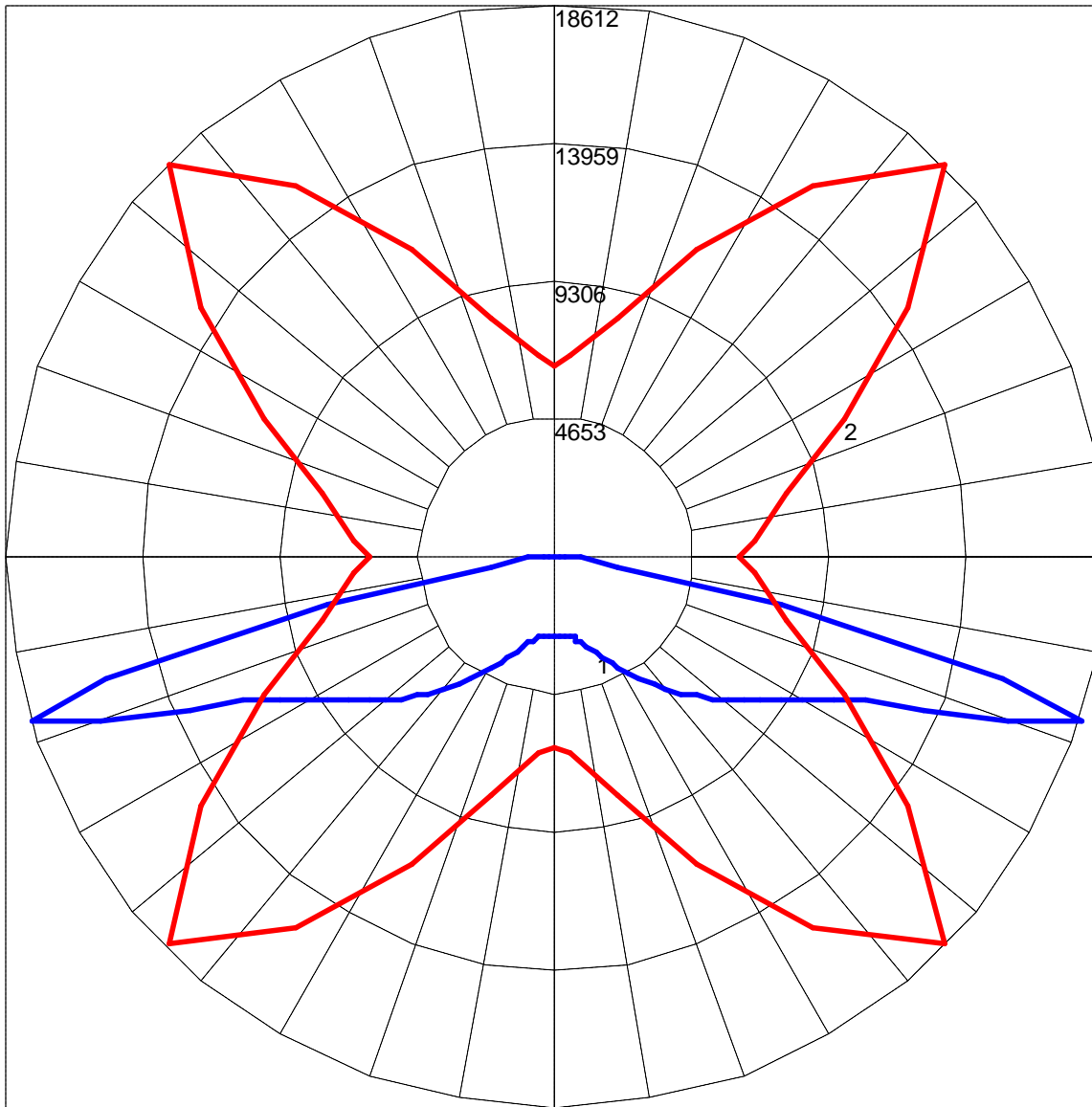
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

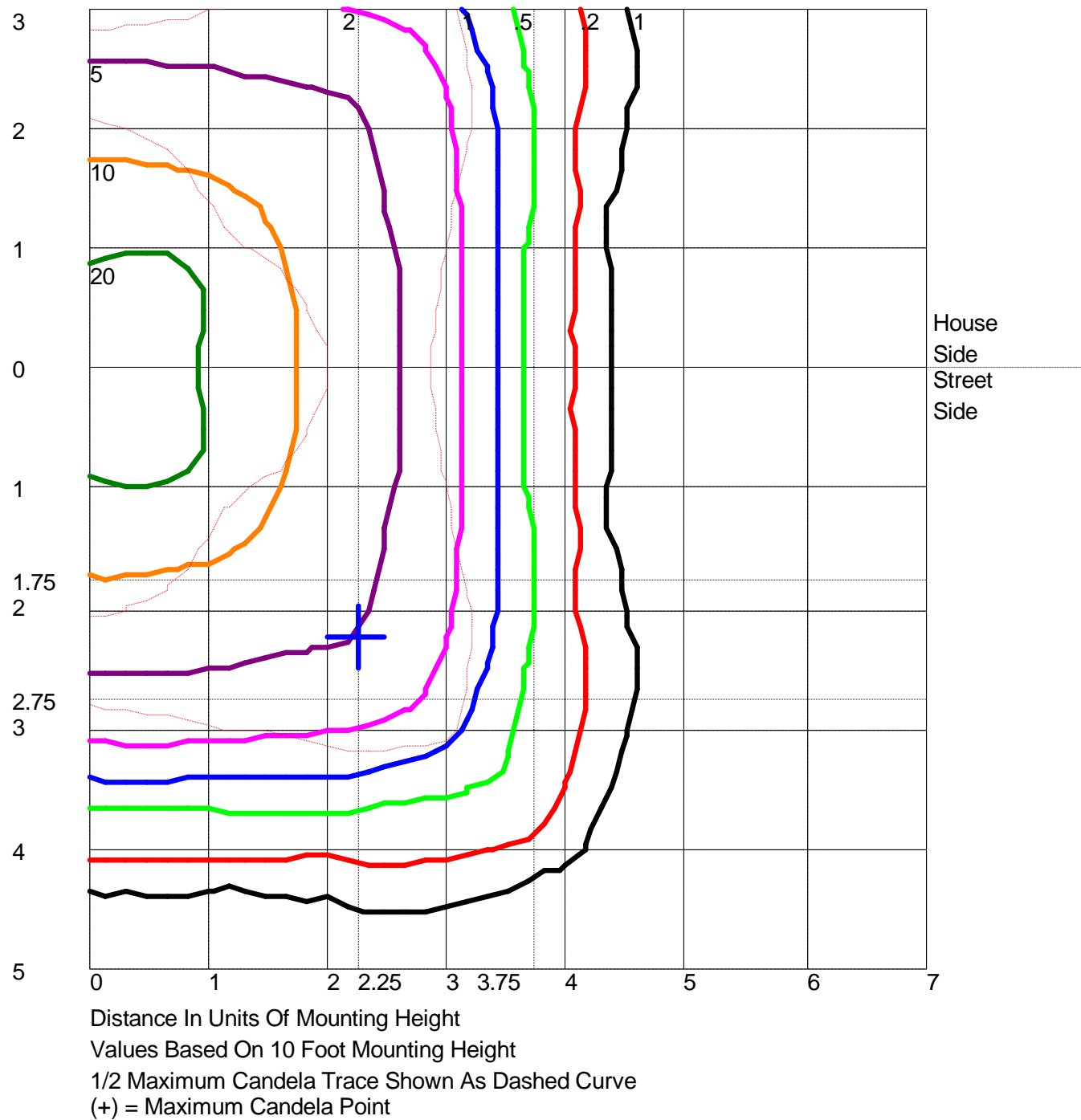
	Lumens	Percent Of Luminaire
Downward Street Side	17634.0	50.0
Downward House Side	17634.0	50.0
Downward Total	35268.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	35268.0	100.0

POLAR GRAPH

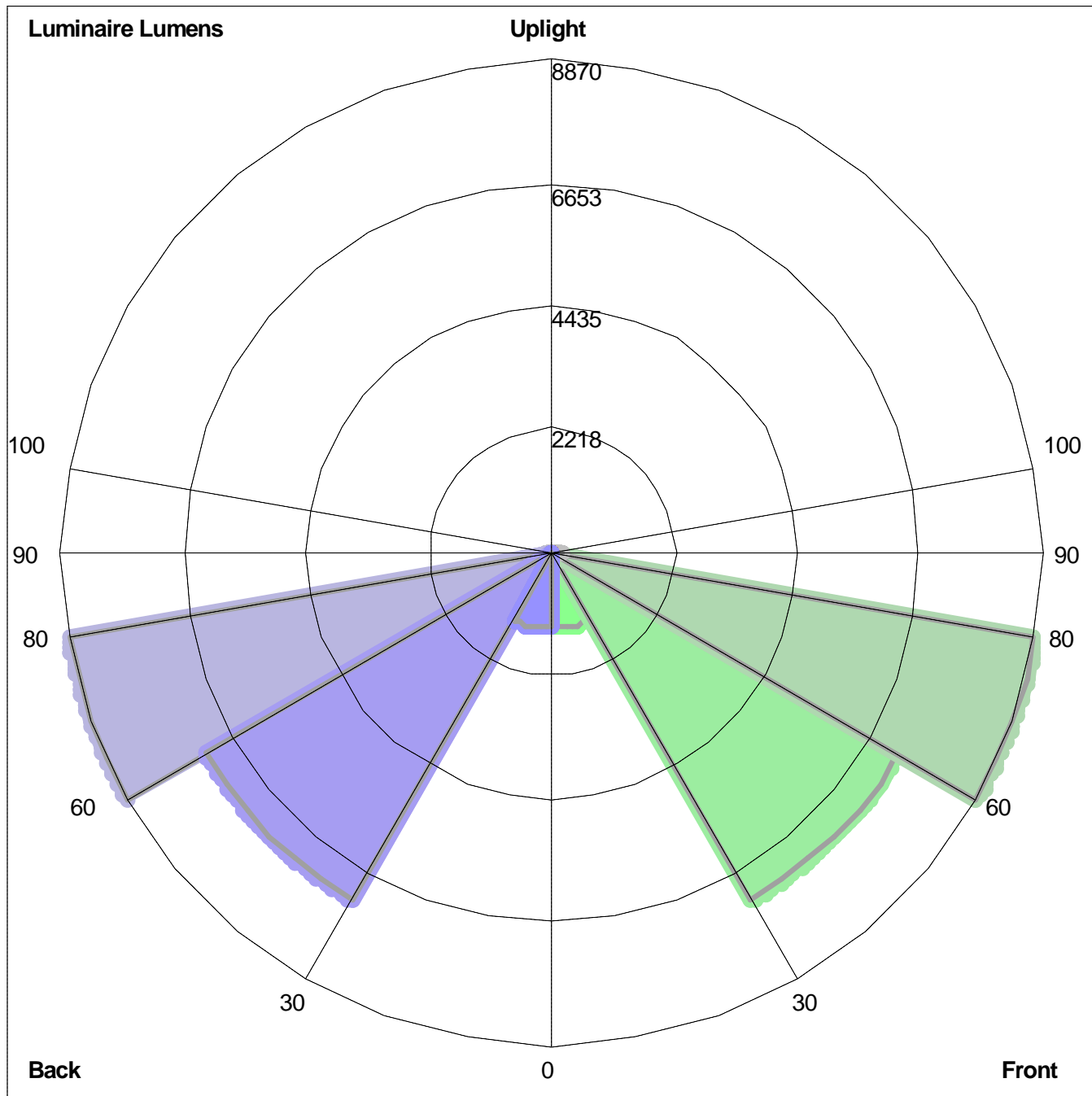


Maximum Candela = 18612 Located At Horizontal Angle = 45, Vertical Angle = 72.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (72.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1386.8, Medium=7230.8, High=8870.4, Very High=146.0
Back: Low=1386.8, Medium=7230.8, High=8870.4, Very High=146.0
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G4