



IES ROAD REPORT

PHOTOMETRIC FILENAME : SCS-LED-19L-SC-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9747
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]02/20/18
[TEST DATE]02/20/18
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]SCS-LED-19L-SC-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	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20403
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	150.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6680
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	6680
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	280 (1.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2722.8	N.A.	13.3
FM - Front-Medium (30-60)	5647.3	N.A.	27.7
FH - Front-High (60-80)	1797.0	N.A.	8.8
FVH - Front-Very High (80-90)	34.5	N.A.	0.2
BL - Back-Low (0-30)	2722.8	N.A.	13.3
BM - Back-Medium (30-60)	5647.3	N.A.	27.7
BH - Back-High (60-80)	1797.0	N.A.	8.8
BVH - Back-Very High (80-90)	34.5	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	20403.2	N.A.	100.0
BUG Rating	B4-U0-G1		

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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	6642	6642	6642	6642	6642	6642	6642	6642	6642	6642
2.5	6656	6654	6650	6649	6644	6645	6649	6650	6659	6667
5.0	6661	6658	6656	6653	6653	6650	6655	6659	6660	6673
7.5	6652	6651	6653	6648	6649	6642	6652	6655	6657	6671
10.0	6639	6645	6642	6638	6637	6627	6642	6645	6649	6659
12.5	6626	6629	6623	6622	6620	6613	6620	6629	6629	6643
15.0	6601	6605	6597	6596	6592	6587	6594	6600	6608	6616
17.5	6569	6569	6556	6555	6552	6556	6557	6564	6566	6577
20.0	6517	6517	6509	6510	6507	6507	6514	6513	6520	6530
22.5	6460	6459	6452	6453	6448	6451	6453	6460	6459	6467
25.0	6382	6386	6381	6381	6375	6376	6384	6387	6385	6393
27.5	6294	6294	6294	6289	6288	6289	6294	6298	6296	6303
30.0	6188	6185	6185	6179	6180	6182	6175	6182	6186	6190
32.5	6043	6054	6051	6050	6050	6049	6050	6046	6053	6058
35.0	5899	5901	5900	5900	5903	5904	5896	5896	5893	5906
37.5	5729	5732	5736	5741	5738	5734	5737	5734	5726	5742
40.0	5540	5545	5554	5557	5559	5551	5557	5558	5551	5553
42.5	5347	5349	5357	5361	5360	5359	5365	5366	5353	5345
45.0	5143	5141	5147	5146	5151	5146	5156	5147	5131	5116
47.5	4923	4917	4917	4915	4917	4923	4921	4908	4882	4869
50.0	4673	4675	4670	4671	4666	4672	4665	4645	4616	4594
52.5	4415	4402	4408	4409	4408	4390	4385	4351	4316	4300
55.0	4122	4125	4128	4131	4128	4095	4079	4042	4022	4008
57.5	3806	3827	3833	3831	3824	3782	3744	3723	3720	3695
60.0	3481	3496	3519	3511	3500	3452	3406	3374	3365	3375
62.5	3033	3054	3128	3165	3145	3089	3053	2992	2992	3010
65.0	2638	2647	2675	2736	2768	2737	2649	2578	2573	2589
67.5	2211	2226	2242	2250	2324	2311	2223	2146	2114	2110
70.0	1767	1772	1763	1784	1846	1866	1803	1721	1661	1657
72.5	1277	1269	1325	1350	1373	1357	1369	1299	1235	1234
75.0	878	891	903	936	925	930	934	900	840	819
77.5	506	530	542	566	555	562	536	539	511	482
80.0	229	237	267	274	280	275	265	251	233	212
82.5	55	57	70	89	99	100	89	73	61	52
85.0	27	27	30	31	33	34	34	32	31	29
87.5	19	19	19	19	18	19	20	20	19	17
90.0	0	0	0	0	0	0	0	0	0	0

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

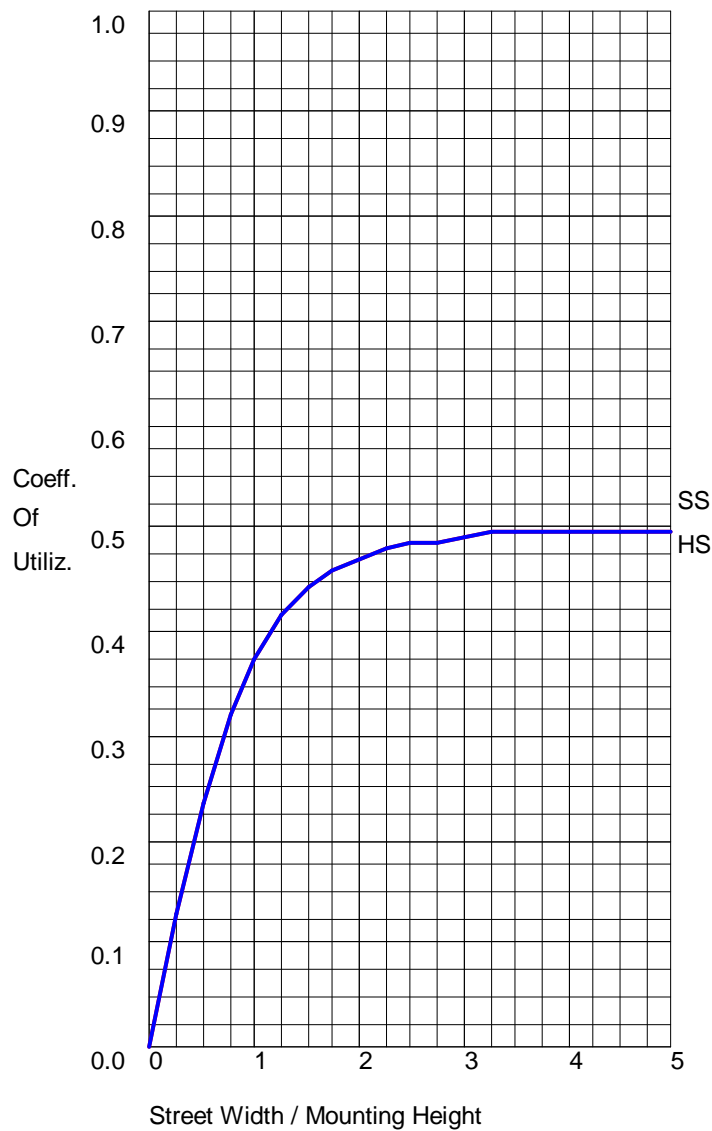
	<u>90</u>
0.0	6642
2.5	6675
5.0	6680
7.5	6674
10.0	6664
12.5	6645
15.0	6620
17.5	6583
20.0	6533
22.5	6472
25.0	6398
27.5	6308

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CANDELA TABULATION - (Cont.)

30.0	6200
32.5	6064
35.0	5911
37.5	5744
40.0	5559
42.5	5356
45.0	5115
47.5	4854
50.0	4583
52.5	4300
55.0	4007
57.5	3690
60.0	3370
62.5	3021
65.0	2596
67.5	2105
70.0	1640
72.5	1221
75.0	808
77.5	473
80.0	206
82.5	51
85.0	30
87.5	16
90.0	0

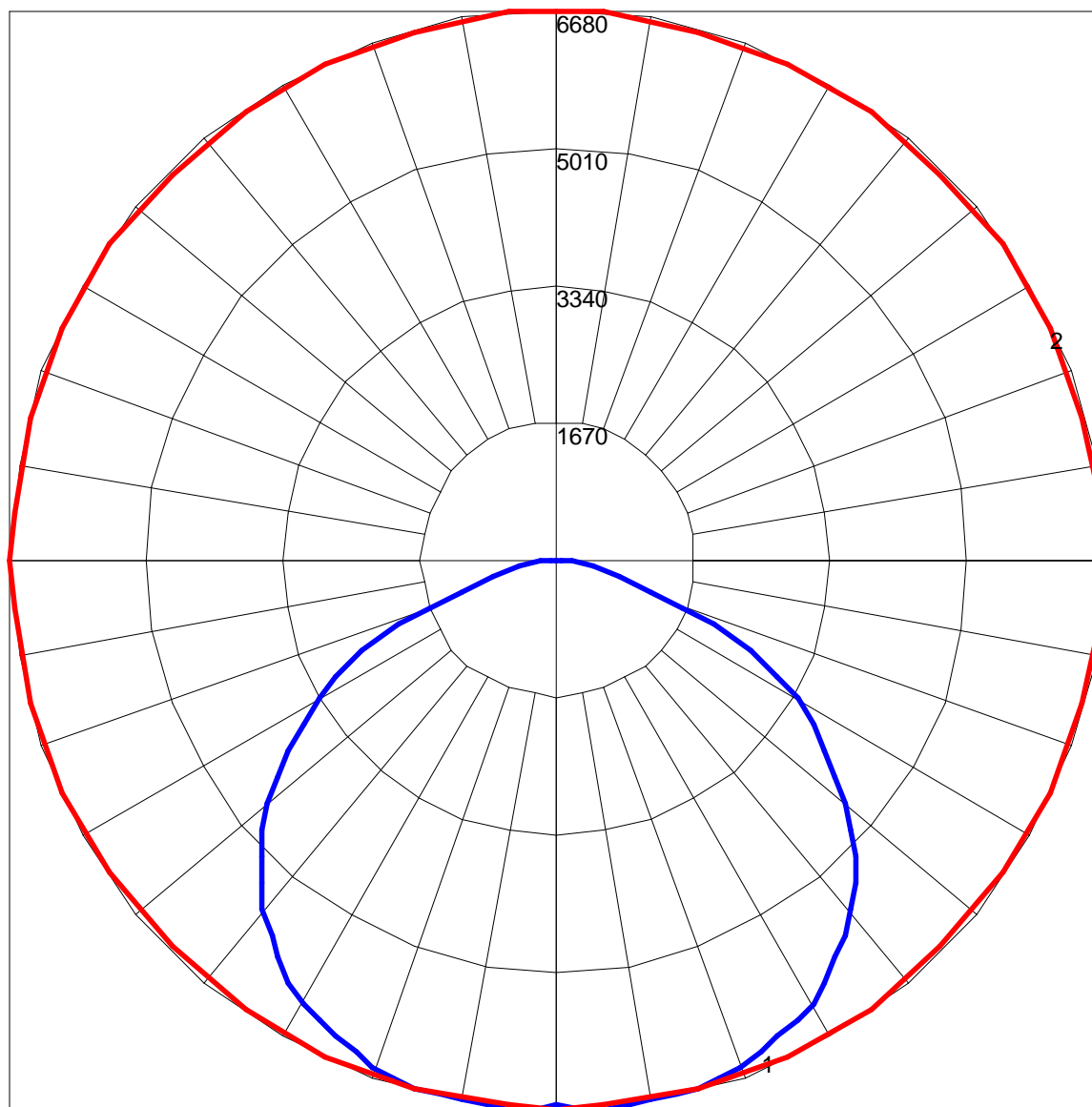
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

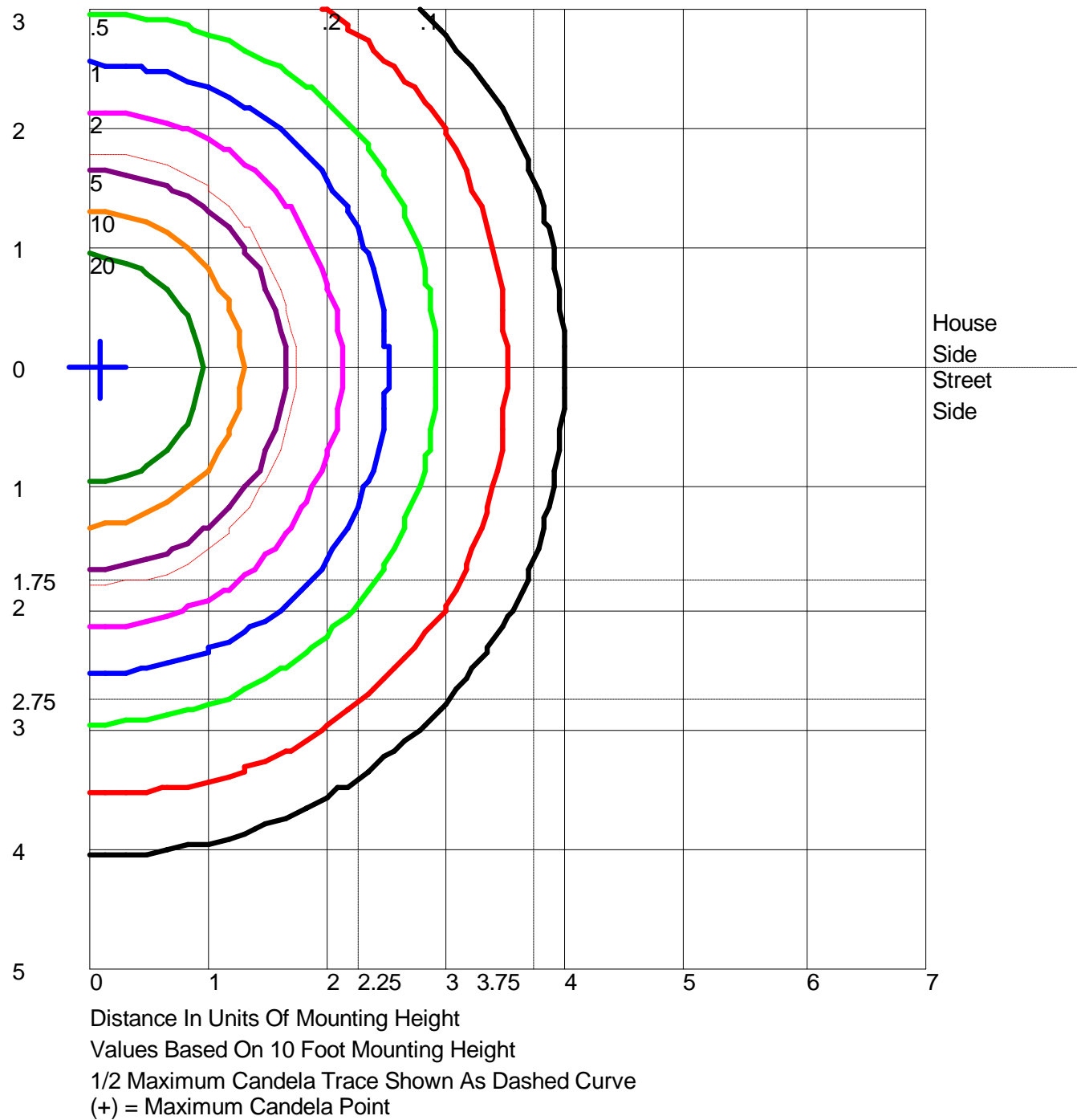
	Lumens	Percent Of Luminaire
Downward Street Side	10201.6	50.0
Downward House Side	10201.6	50.0
Downward Total	20403.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20403.2	100.0

POLAR GRAPH

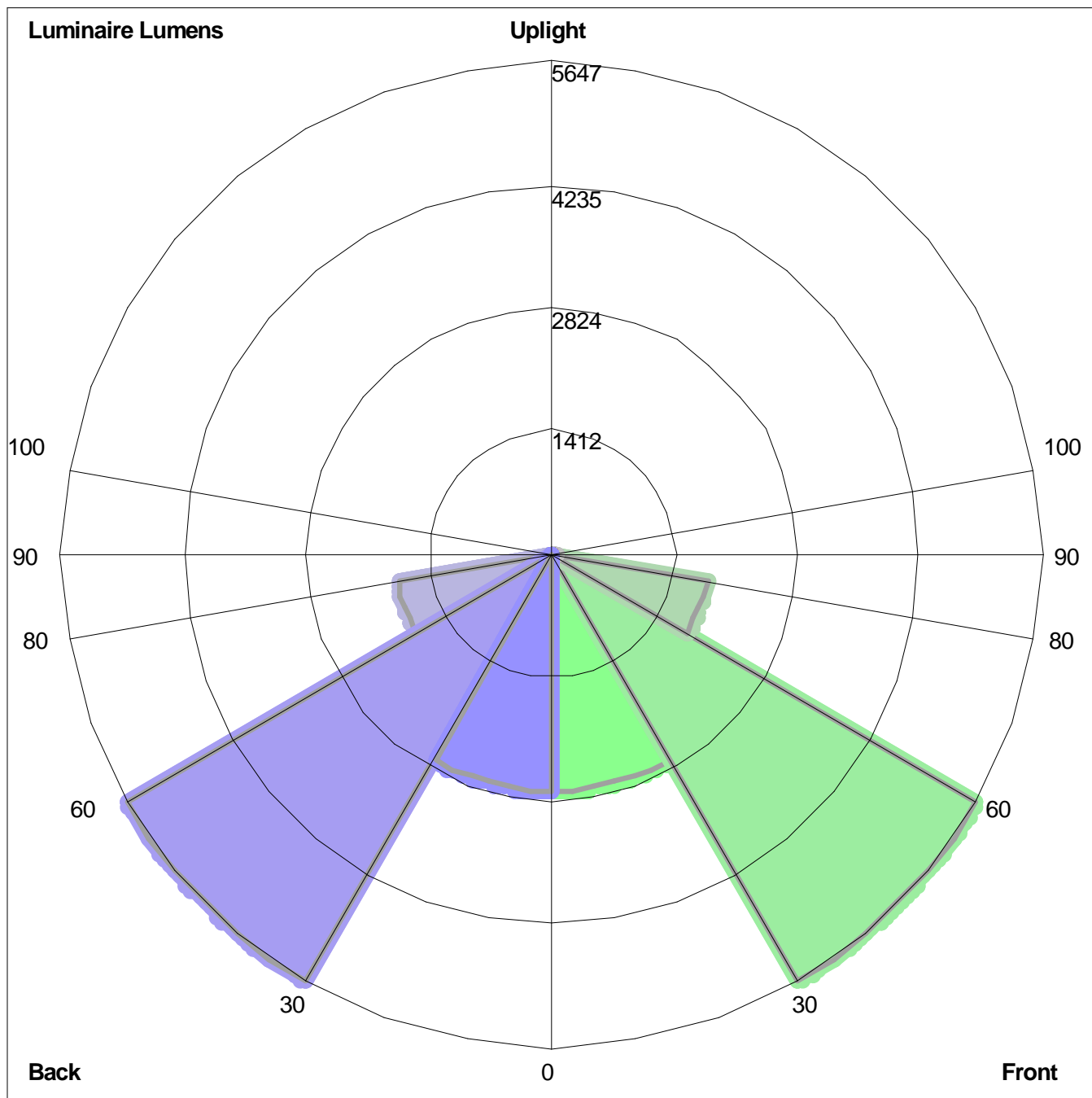


Maximum Candela = 6680 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2722.8, Medium=5647.3, High= 1797.0, Very High=34.5
Back: Low=2722.8, Medium=5647.3, High= 1797.0, Very High=34.5
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G1