



IES ROAD REPORT

PHOTOMETRIC FILENAME : SCS-LED-19L-SC-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-9748

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]02/20/18

[TEST DATE]02/20/18

[MANUFACTURER]LSI INDUSTRIES, INC

[LUMEN CATEGORY]SCS-LED-19L-SC-40

[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[SEARCH_SOURCE TYPE] 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	20105
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	149.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	6626
Maximum Candela Angle	0H 7.5V
Maximum Candela (<90 Degrees Vertical)	6626
Maximum Candela Angle (<90 Degrees Vertical)	0H 7.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	267 (1.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2696.1	N.A.	13.4
FM - Front-Medium (30-60)	5564.5	N.A.	27.7
FH - Front-High (60-80)	1759.2	N.A.	8.7
FVH - Front-Very High (80-90)	32.8	N.A.	0.2
BL - Back-Low (0-30)	2696.1	N.A.	13.4
BM - Back-Medium (30-60)	5564.5	N.A.	27.7
BH - Back-High (60-80)	1759.2	N.A.	8.7
BVH - Back-Very High (80-90)	32.8	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	20105.2	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	6589	6589	6589	6589	6589	6589	6589	6589	6589	6589
2.5	6623	6616	6600	6595	6593	6582	6587	6596	6604	6617
5.0	6624	6619	6605	6591	6594	6591	6597	6603	6607	6620
7.5	6626	6611	6601	6594	6590	6585	6590	6596	6605	6616
10.0	6608	6607	6591	6580	6580	6572	6581	6590	6598	6607
12.5	6587	6582	6573	6565	6559	6558	6563	6567	6572	6582
15.0	6563	6559	6547	6539	6533	6527	6535	6538	6547	6560
17.5	6526	6514	6505	6498	6493	6488	6491	6502	6503	6516
20.0	6473	6467	6449	6449	6445	6438	6451	6447	6452	6468
22.5	6415	6405	6390	6382	6383	6378	6382	6393	6393	6405
25.0	6337	6332	6314	6308	6310	6305	6312	6312	6315	6327
27.5	6249	6237	6221	6218	6211	6213	6222	6223	6223	6234
30.0	6134	6122	6112	6107	6099	6103	6107	6112	6108	6118
32.5	6000	5991	5977	5969	5969	5963	5976	5978	5969	5985
35.0	5849	5827	5825	5818	5818	5817	5816	5822	5821	5828
37.5	5671	5661	5650	5652	5657	5650	5652	5648	5650	5664
40.0	5476	5477	5474	5480	5475	5472	5465	5459	5471	5477
42.5	5273	5267	5272	5283	5279	5268	5273	5262	5266	5279
45.0	5062	5053	5059	5072	5066	5055	5055	5059	5055	5065
47.5	4831	4827	4831	4830	4829	4827	4830	4834	4828	4828
50.0	4578	4576	4582	4577	4587	4584	4588	4591	4585	4586
52.5	4302	4297	4306	4310	4317	4320	4330	4330	4321	4318
55.0	3982	3980	3981	4013	4028	4036	4055	4054	4046	4035
57.5	3672	3650	3663	3677	3717	3738	3747	3763	3748	3741
60.0	3285	3292	3306	3335	3359	3411	3427	3425	3433	3422
62.5	2948	2942	2942	2942	3001	3058	3088	3074	3059	3019
65.0	2503	2511	2523	2543	2603	2673	2727	2646	2606	2592
67.5	2053	2051	2066	2105	2180	2262	2274	2237	2189	2131
70.0	1610	1619	1636	1670	1747	1796	1819	1778	1741	1682
72.5	1213	1218	1212	1246	1325	1326	1359	1349	1295	1262
75.0	796	808	810	872	898	907	940	942	891	848
77.5	459	473	490	529	530	537	544	555	533	515
80.0	190	203	226	252	261	267	265	260	255	235
82.5	41	42	55	71	89	100	90	77	58	49
85.0	27	27	29	32	32	32	31	30	28	25
87.5	17	17	18	19	20	19	18	19	19	19
90.0	0	0	0	0	0	0	0	0	0	0

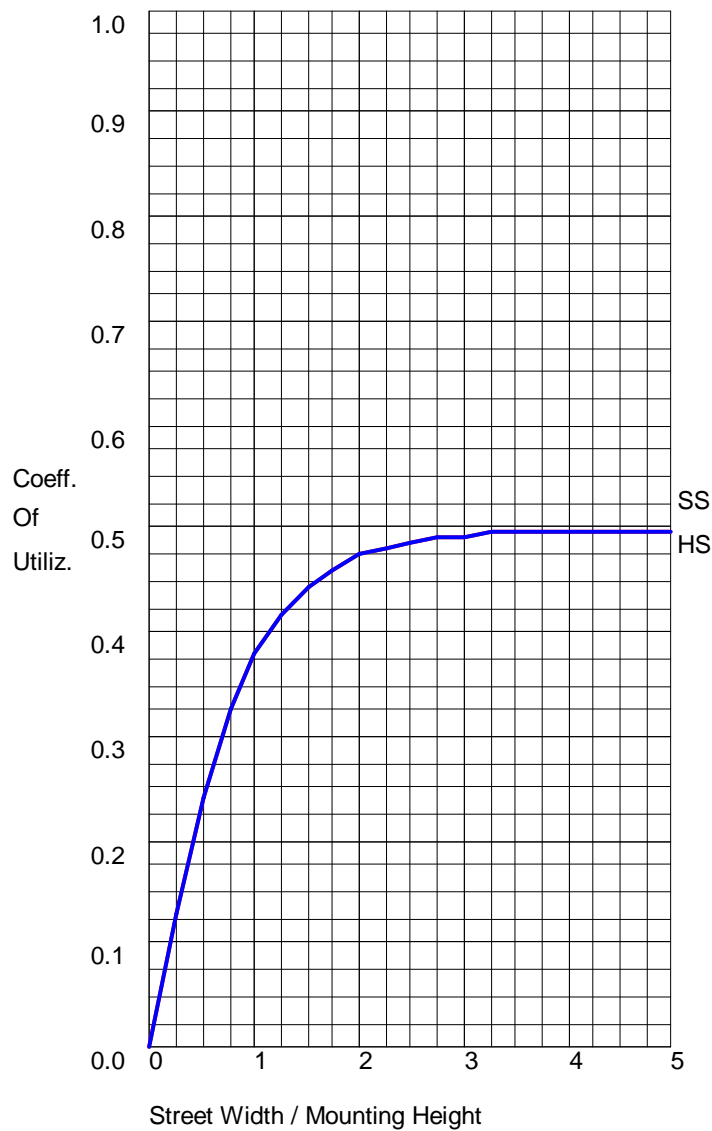
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	6589
2.5	6609
5.0	6611
7.5	6608
10.0	6603
12.5	6571
15.0	6557
17.5	6510
20.0	6462
22.5	6394
25.0	6323
27.5	6225

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CANDELA TABULATION - (Cont.)

30.0	6114
32.5	5976
35.0	5818
37.5	5659
40.0	5471
42.5	5273
45.0	5061
47.5	4833
50.0	4579
52.5	4300
55.0	4024
57.5	3731
60.0	3415
62.5	3002
65.0	2578
67.5	2130
70.0	1657
72.5	1238
75.0	831
77.5	504
80.0	229
82.5	47
85.0	26
87.5	19
90.0	0

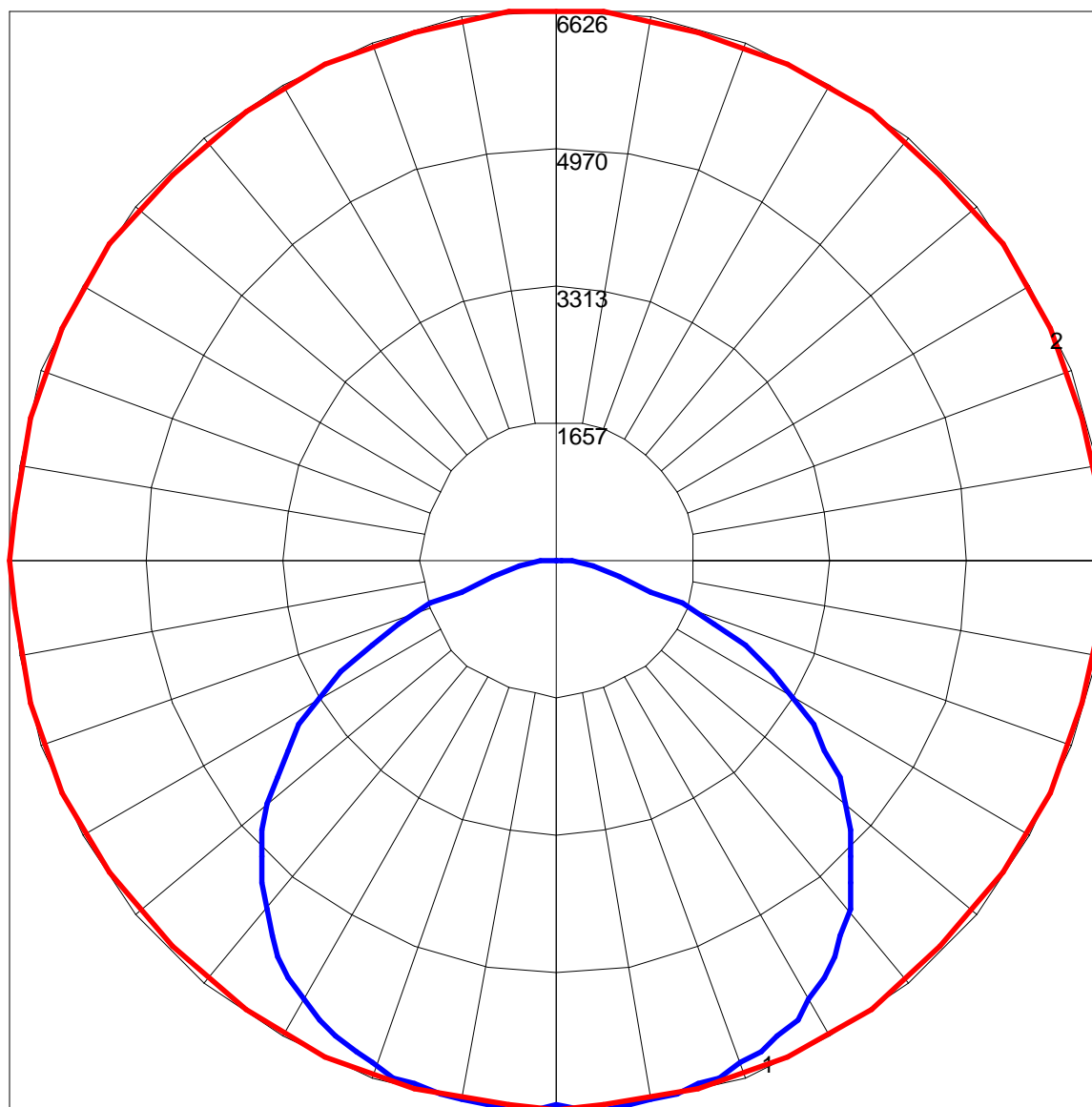
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

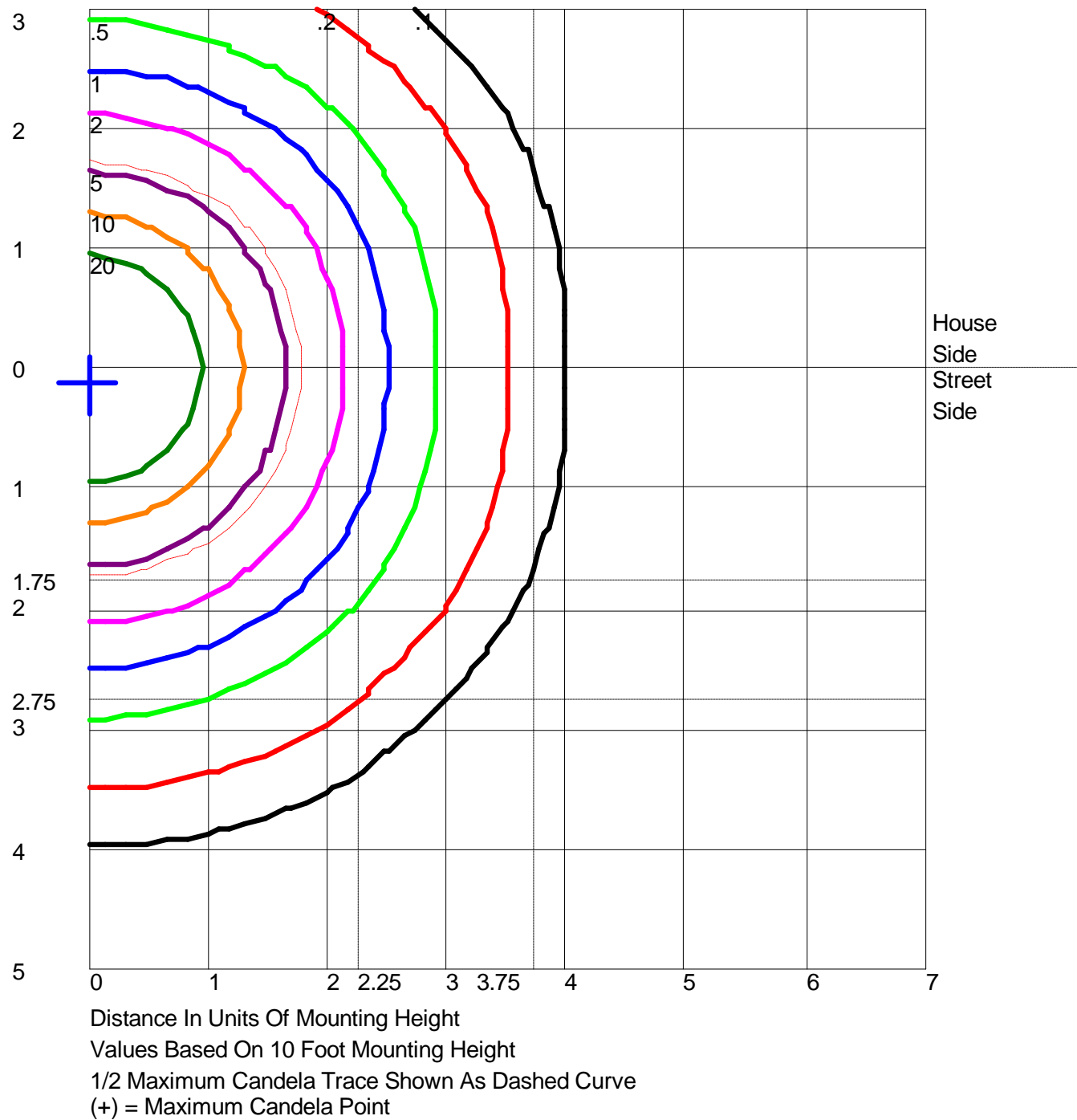
	Lumens	Percent Of Luminaire
Downward Street Side	10052.5	50.0
Downward House Side	10052.5	50.0
Downward Total	20105.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20105.0	100.0

POLAR GRAPH

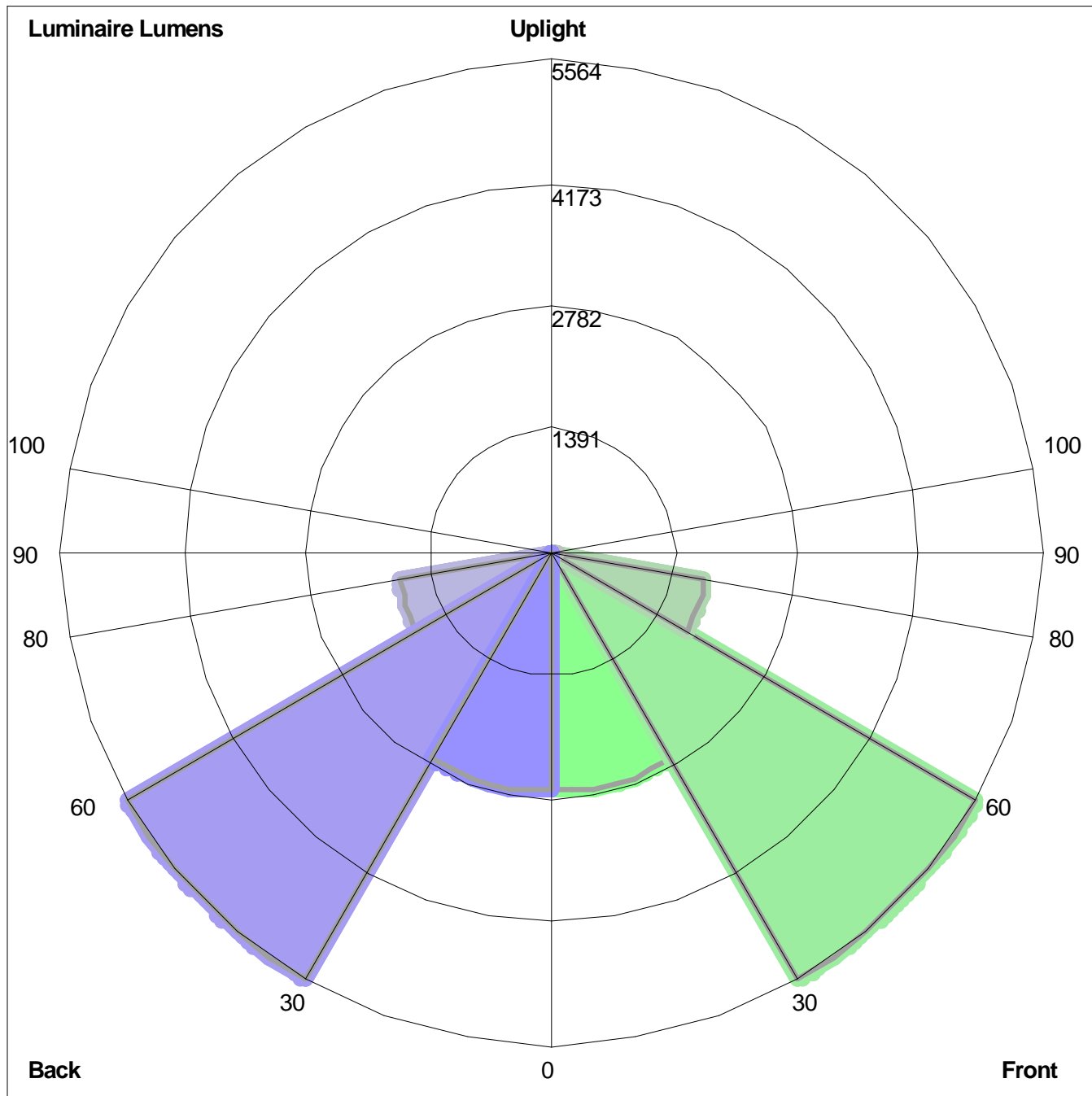


Maximum Candela = 6626 Located At Horizontal Angle = 0, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2696.1, Medium=5564.5, High=1759.2, Very High=32.8
Back: Low=2696.1, Medium=5564.5, High=1759.2, Very High=32.8
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G1