



IES ROAD REPORT
PHOTOMETRIC FILENAME : SCS-LED-15L-SC-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-9751
[TESTLAB]LSI INDUSTRIES, INC
[ISSUEDATE]02/21/18
[TESTDATE]02/21/18
[MANUFAC]LSI INDUSTRIES, INC
[LUMCAT]SCS-LED-15L-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	15992
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	116.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5221
Maximum Candela Angle	0H 7.5V
Maximum Candela (<90 Degrees Vertical)	5221
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	218 (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)	2129.7	N.A.	13.3
FM - Front-Medium (30-60)	4428.2	N.A.	27.7
FH - Front-High (60-80)	1410.8	N.A.	8.8
FVH - Front-Very High (80-90)	27.4	N.A.	0.2
BL - Back-Low (0-30)	2129.7	N.A.	13.3
BM - Back-Medium (30-60)	4428.2	N.A.	27.7
BH - Back-High (60-80)	1410.8	N.A.	8.8
BVH - Back-Very High (80-90)	27.4	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	15992.2	N.A.	100.0
BUG Rating	B3-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	5192	5192	5192	5192	5192	5192	5192	5192	5192	5192
2.5	5218	5211	5204	5201	5195	5188	5188	5193	5202	5211
5.0	5221	5215	5209	5205	5199	5194	5197	5199	5207	5214
7.5	5221	5213	5207	5201	5196	5194	5196	5200	5205	5212
10.0	5211	5207	5199	5192	5188	5184	5187	5194	5198	5202
12.5	5199	5192	5186	5178	5175	5171	5171	5180	5185	5191
15.0	5175	5171	5163	5159	5154	5150	5151	5160	5164	5172
17.5	5149	5143	5135	5133	5130	5122	5123	5128	5134	5143
20.0	5109	5106	5097	5097	5090	5086	5090	5094	5097	5105
22.5	5064	5059	5048	5048	5046	5042	5044	5048	5054	5059
25.0	5007	5003	4993	4988	4987	4988	4989	4995	4996	5000
27.5	4937	4929	4922	4919	4919	4919	4922	4926	4929	4928
30.0	4851	4846	4837	4834	4833	4833	4837	4840	4838	4844
32.5	4750	4743	4735	4730	4730	4729	4735	4736	4734	4739
35.0	4632	4619	4615	4613	4613	4612	4619	4622	4615	4622
37.5	4487	4489	4485	4486	4488	4485	4490	4490	4488	4490
40.0	4347	4347	4345	4347	4351	4347	4337	4336	4347	4348
42.5	4191	4190	4192	4198	4197	4190	4183	4183	4186	4195
45.0	4026	4018	4030	4034	4034	4021	4022	4022	4017	4024
47.5	3845	3839	3842	3851	3847	3844	3848	3848	3842	3840
50.0	3654	3647	3651	3651	3650	3652	3659	3658	3652	3647
52.5	3452	3444	3444	3442	3439	3446	3451	3452	3447	3438
55.0	3234	3220	3219	3222	3220	3221	3230	3233	3220	3196
57.5	2988	2983	2987	2989	2989	2979	3000	2985	2920	2912
60.0	2728	2738	2741	2741	2741	2731	2719	2646	2641	2643
62.5	2449	2464	2479	2479	2479	2471	2360	2350	2346	2324
65.0	2050	2056	2095	2190	2205	2134	2068	1998	1999	2013
67.5	1676	1691	1786	1795	1881	1805	1726	1676	1638	1630
70.0	1360	1371	1405	1421	1461	1463	1410	1331	1310	1283
72.5	995	1008	1042	1063	1075	1082	1080	1008	986	954
75.0	696	692	706	728	725	717	748	712	656	647
77.5	401	406	426	443	435	431	443	435	393	376
80.0	177	191	206	213	218	217	202	207	183	167
82.5	46	50	57	69	80	80	71	61	52	46
85.0	21	22	23	25	26	27	26	25	24	23
87.5	14	14	15	15	14	15	15	15	14	13
90.0	0	0	0	0	0	0	0	0	0	0

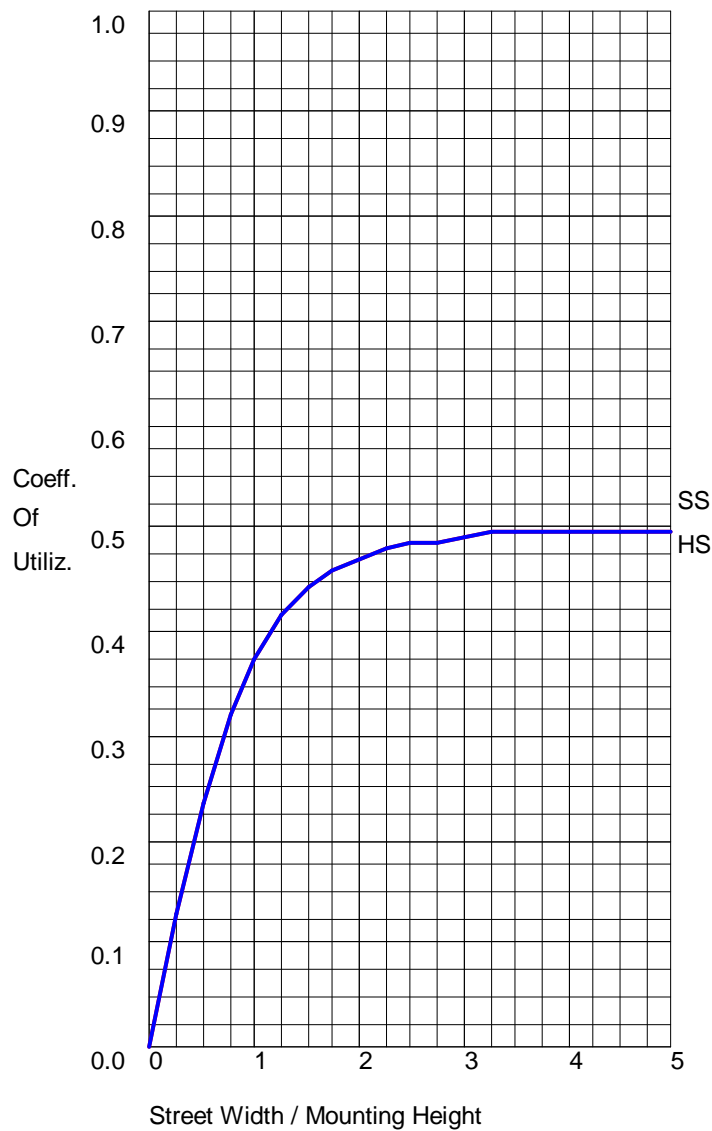
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	5192
2.5	5203
5.0	5207
7.5	5206
10.0	5198
12.5	5186
15.0	5166
17.5	5140
20.0	5099
22.5	5050
25.0	4996
27.5	4925

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CANDELA TABULATION - (Cont.)

30.0	4839
32.5	4737
35.0	4617
37.5	4483
40.0	4344
42.5	4189
45.0	4026
47.5	3836
50.0	3633
52.5	3430
55.0	3190
57.5	2920
60.0	2653
62.5	2320
65.0	2028
67.5	1643
70.0	1278
72.5	938
75.0	643
77.5	368
80.0	161
82.5	44
85.0	23
87.5	13
90.0	0

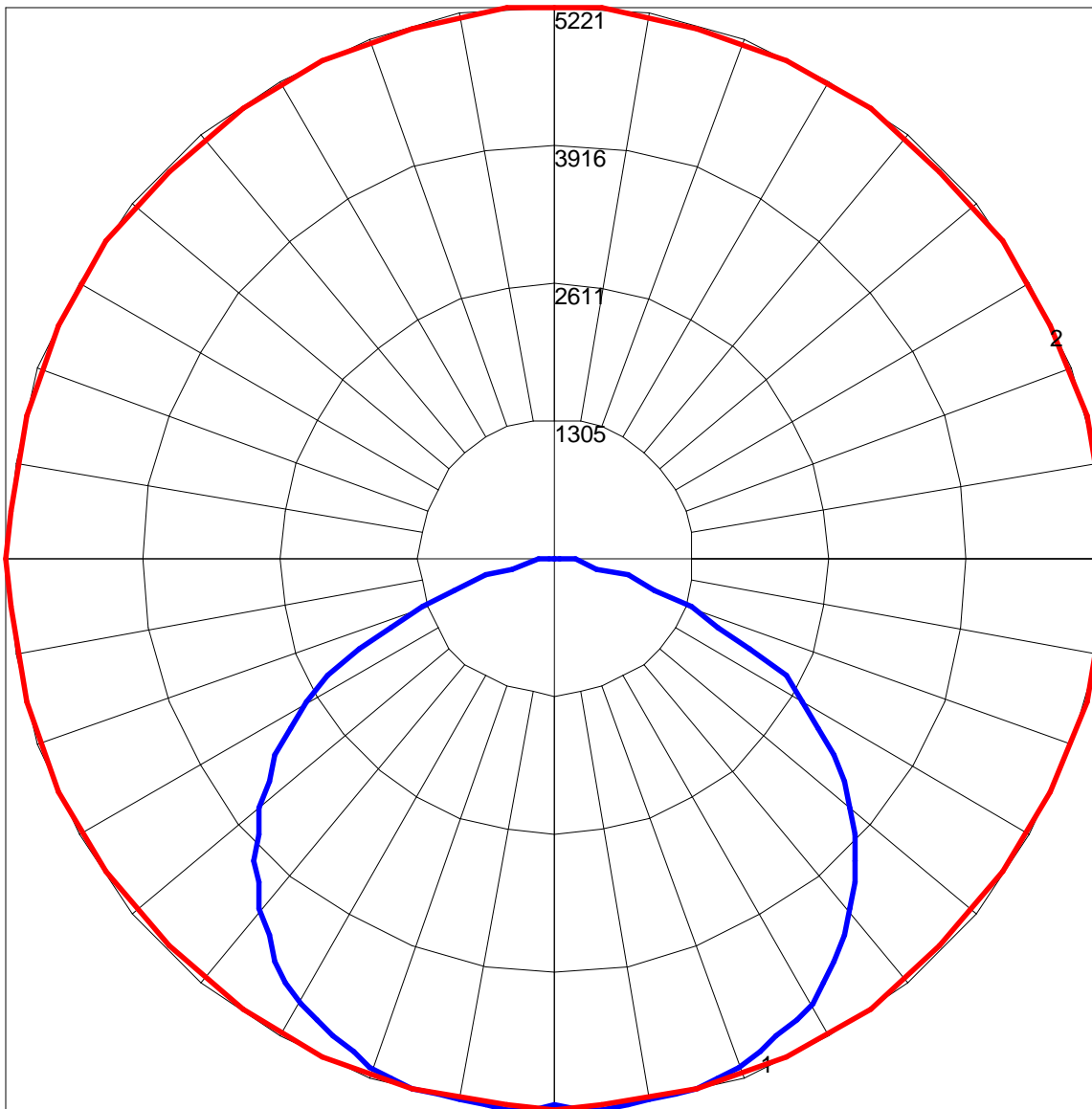
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

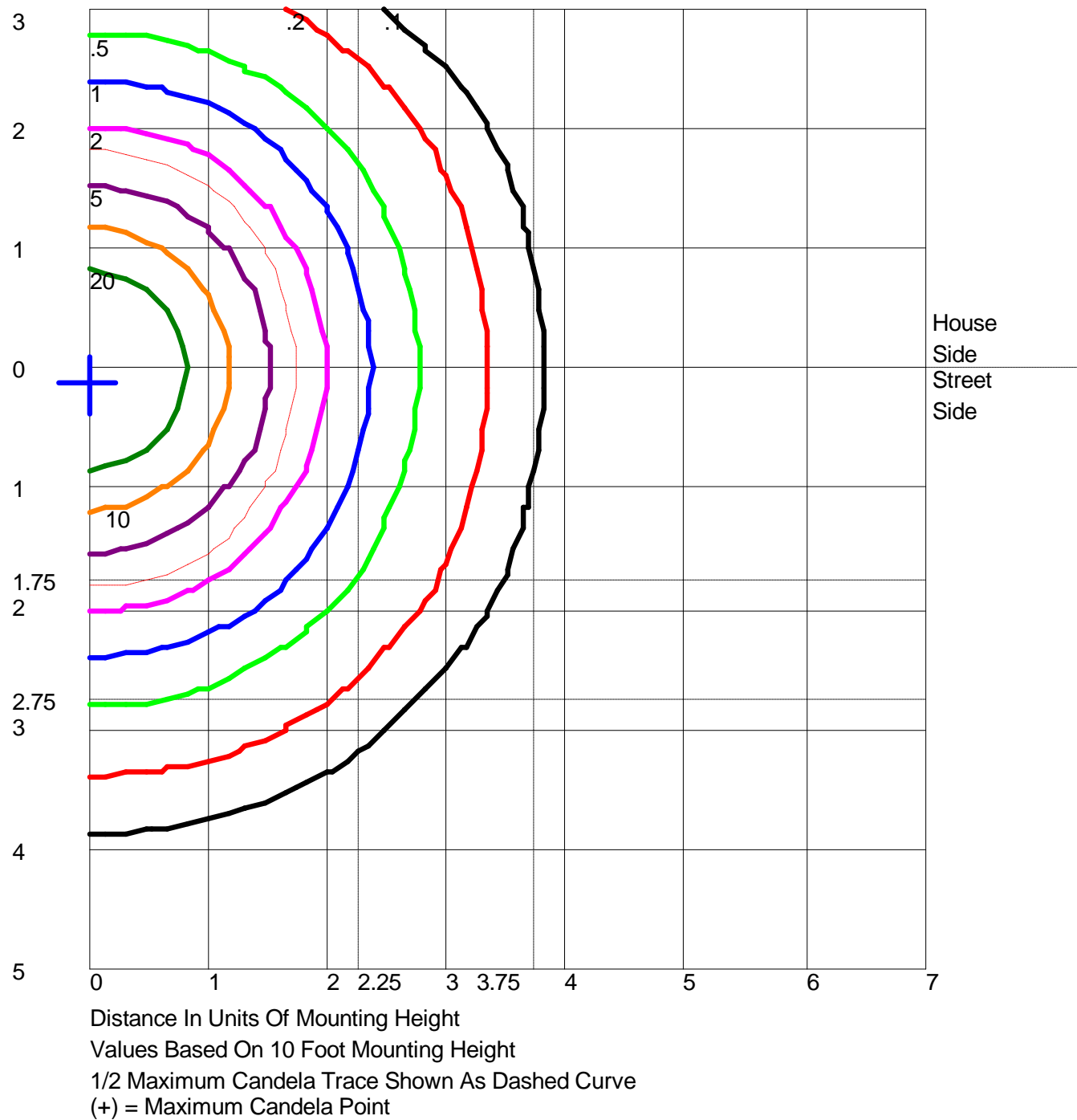
	Lumens	Percent Of Luminaire
Downward Street Side	7996.1	50.0
Downward House Side	7996.1	50.0
Downward Total	15992.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	15992.2	100.0

POLAR GRAPH

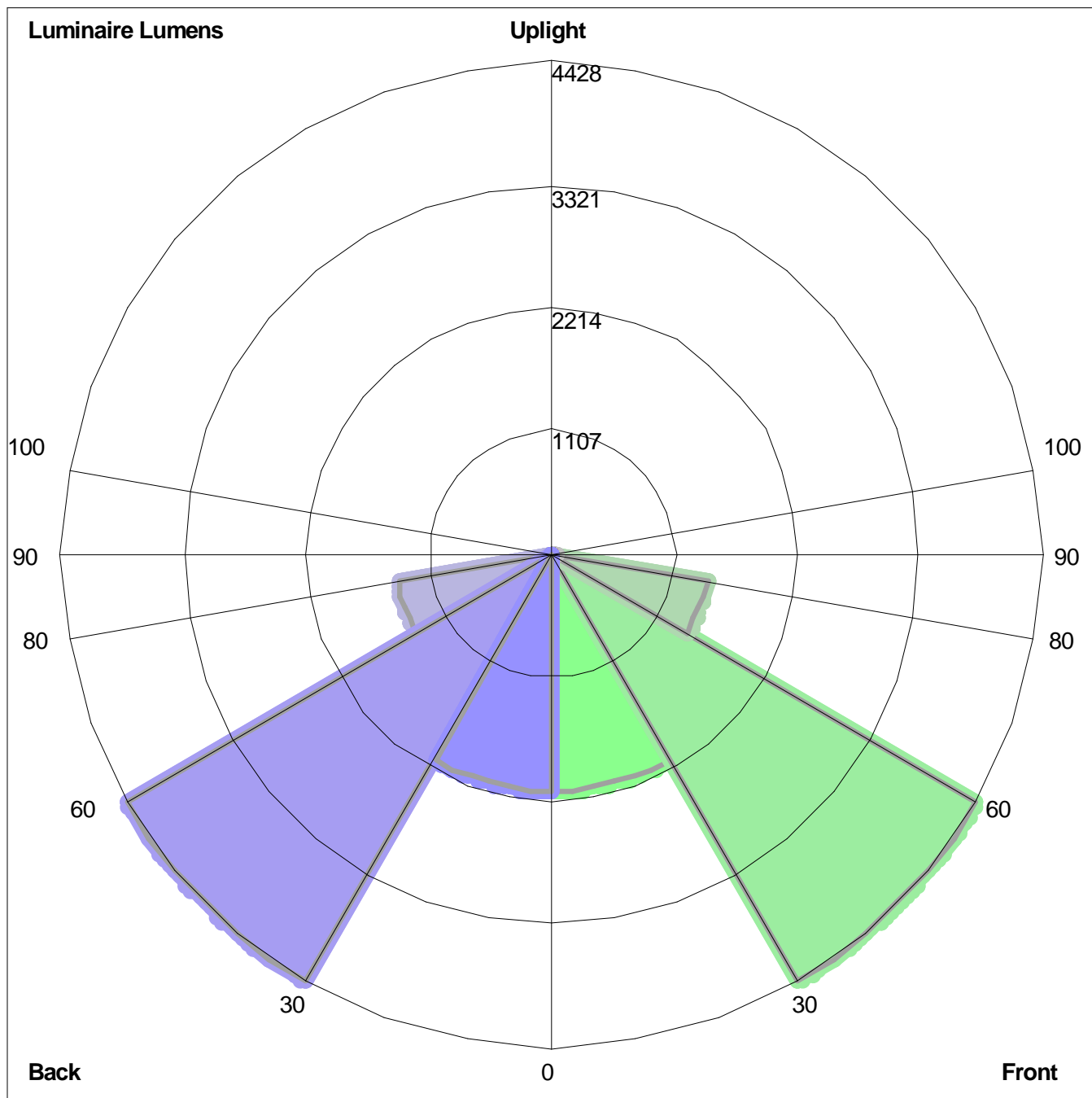


Maximum Candela = 5221 Located At Horizontal Angle = 0, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2129.7, Medium=4428.2, High=1410.8, Very High=27.4
Back: Low=2129.7, Medium=4428.2, High=1410.8, Very High=27.4
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1