



## IES ROAD REPORT

PHOTOMETRIC FILENAME : SCS-LED-15L-SC-40.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]LED-9750

[TESTLAB]LSI INDUSTRIES, INC

[ISSUE DATE]02/21/18

[TEST DATE]02/21/18

[MANUFACT]LSI INDUSTRIES, INC

[LUMCAT]SCS-LED-15L-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	15949
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	117.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5264
Maximum Candela Angle	0H 5V
Maximum Candela (<90 Degrees Vertical)	5264
Maximum Candela Angle (<90 Degrees Vertical)	0H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	211 (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)	2138.0	N.A.	13.4
FM - Front-Medium (30-60)	4411.6	N.A.	27.7
FH - Front-High (60-80)	1398.6	N.A.	8.8
FVH - Front-Very High (80-90)	26.2	N.A.	0.2
BL - Back-Low (0-30)	2138.0	N.A.	13.4
BM - Back-Medium (30-60)	4411.6	N.A.	27.7
BH - Back-High (60-80)	1398.6	N.A.	8.8
BVH - Back-Very High (80-90)	26.2	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	15948.8	N.A.	100.0
BUG Rating	B3-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<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	5226	5226	5226	5226	5226	5226	5226	5226	5226	5226
2.5	5260	5244	5236	5233	5230	5225	5226	5228	5233	5241
5.0	5264	5248	5239	5236	5234	5230	5228	5232	5237	5245
7.5	5260	5242	5236	5232	5229	5226	5226	5231	5235	5240
10.0	5251	5235	5225	5223	5219	5217	5219	5223	5229	5232
12.5	5235	5219	5209	5206	5202	5204	5204	5208	5214	5217
15.0	5214	5195	5189	5183	5180	5181	5182	5184	5191	5194
17.5	5184	5165	5159	5153	5149	5150	5151	5152	5157	5160
20.0	5146	5126	5121	5115	5109	5112	5114	5113	5119	5120
22.5	5097	5076	5071	5065	5060	5061	5066	5065	5069	5073
25.0	5038	5017	5011	5003	5000	5003	5008	5008	5011	5013
27.5	4964	4944	4934	4928	4927	4931	4933	4934	4939	4938
30.0	4871	4854	4843	4838	4840	4841	4848	4848	4850	4845
32.5	4761	4742	4736	4733	4734	4734	4739	4738	4741	4738
35.0	4635	4618	4614	4615	4615	4616	4619	4617	4617	4615
37.5	4495	4484	4484	4483	4483	4483	4483	4476	4483	4480
40.0	4348	4339	4339	4338	4339	4336	4336	4334	4339	4338
42.5	4188	4175	4183	4184	4186	4179	4178	4175	4179	4180
45.0	4015	4004	4011	4016	4014	4012	4013	4011	4008	4006
47.5	3837	3824	3832	3838	3831	3829	3835	3834	3828	3820
50.0	3637	3626	3630	3634	3638	3633	3640	3641	3637	3631
52.5	3419	3404	3416	3414	3419	3420	3433	3433	3428	3414
55.0	3173	3159	3163	3185	3196	3196	3212	3212	3202	3192
57.5	2905	2894	2905	2918	2956	2957	2975	2980	2967	2962
60.0	2617	2621	2622	2636	2676	2707	2714	2719	2719	2714
62.5	2337	2333	2328	2338	2381	2427	2443	2445	2456	2432
65.0	1980	1988	1997	2014	2063	2122	2168	2129	2065	2050
67.5	1624	1627	1653	1667	1730	1797	1830	1761	1735	1706
70.0	1287	1297	1301	1336	1378	1450	1456	1407	1386	1344
72.5	953	961	964	981	1058	1059	1084	1069	1038	1006
75.0	639	640	639	692	713	718	744	745	702	687
77.5	374	375	383	423	420	427	432	443	421	410
80.0	152	160	178	201	206	209	211	206	202	189
82.5	34	36	46	57	72	77	73	61	49	39
85.0	21	21	23	25	25	25	25	24	22	20
87.5	13	14	14	16	16	15	15	15	15	15
90.0	0	0	0	0	0	0	0	0	0	0

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

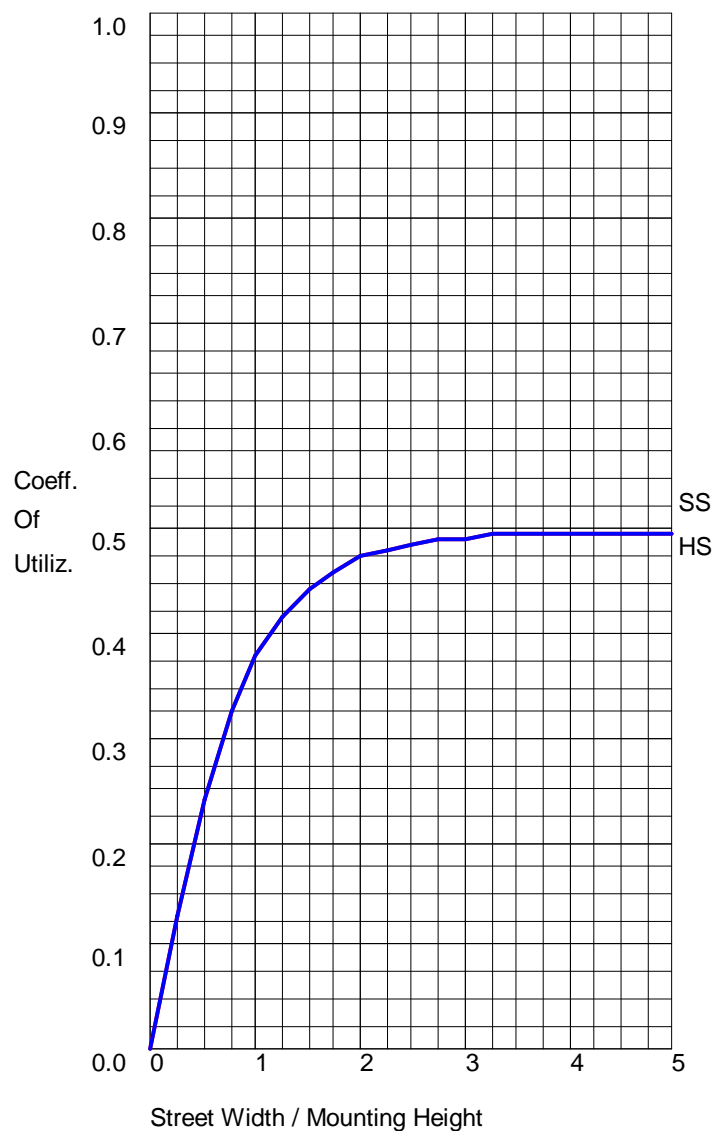
	<u>90</u>
0.0	5226
2.5	5230
5.0	5233
7.5	5229
10.0	5219
12.5	5203
15.0	5183
17.5	5150
20.0	5110
22.5	5056
25.0	4997
27.5	4923

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	4836
<b>32.5</b>	4727
<b>35.0</b>	4606
<b>37.5</b>	4470
<b>40.0</b>	4325
<b>42.5</b>	4168
<b>45.0</b>	4000
<b>47.5</b>	3815
<b>50.0</b>	3624
<b>52.5</b>	3405
<b>55.0</b>	3185
<b>57.5</b>	2958
<b>60.0</b>	2709
<b>62.5</b>	2422
<b>65.0</b>	2038
<b>67.5</b>	1701
<b>70.0</b>	1315
<b>72.5</b>	990
<b>75.0</b>	677
<b>77.5</b>	406
<b>80.0</b>	189
<b>82.5</b>	38
<b>85.0</b>	19
<b>87.5</b>	15
<b>90.0</b>	0

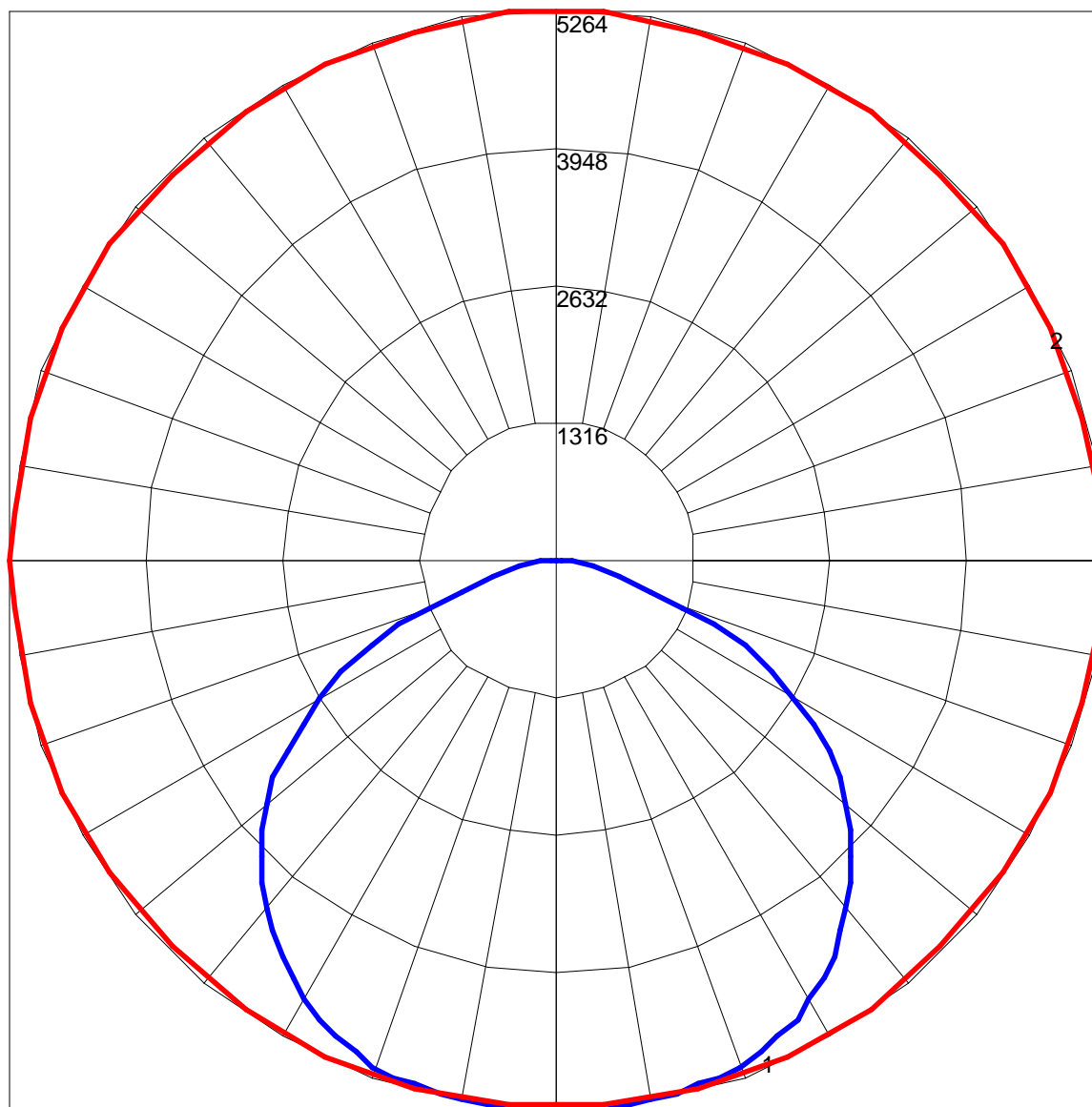
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

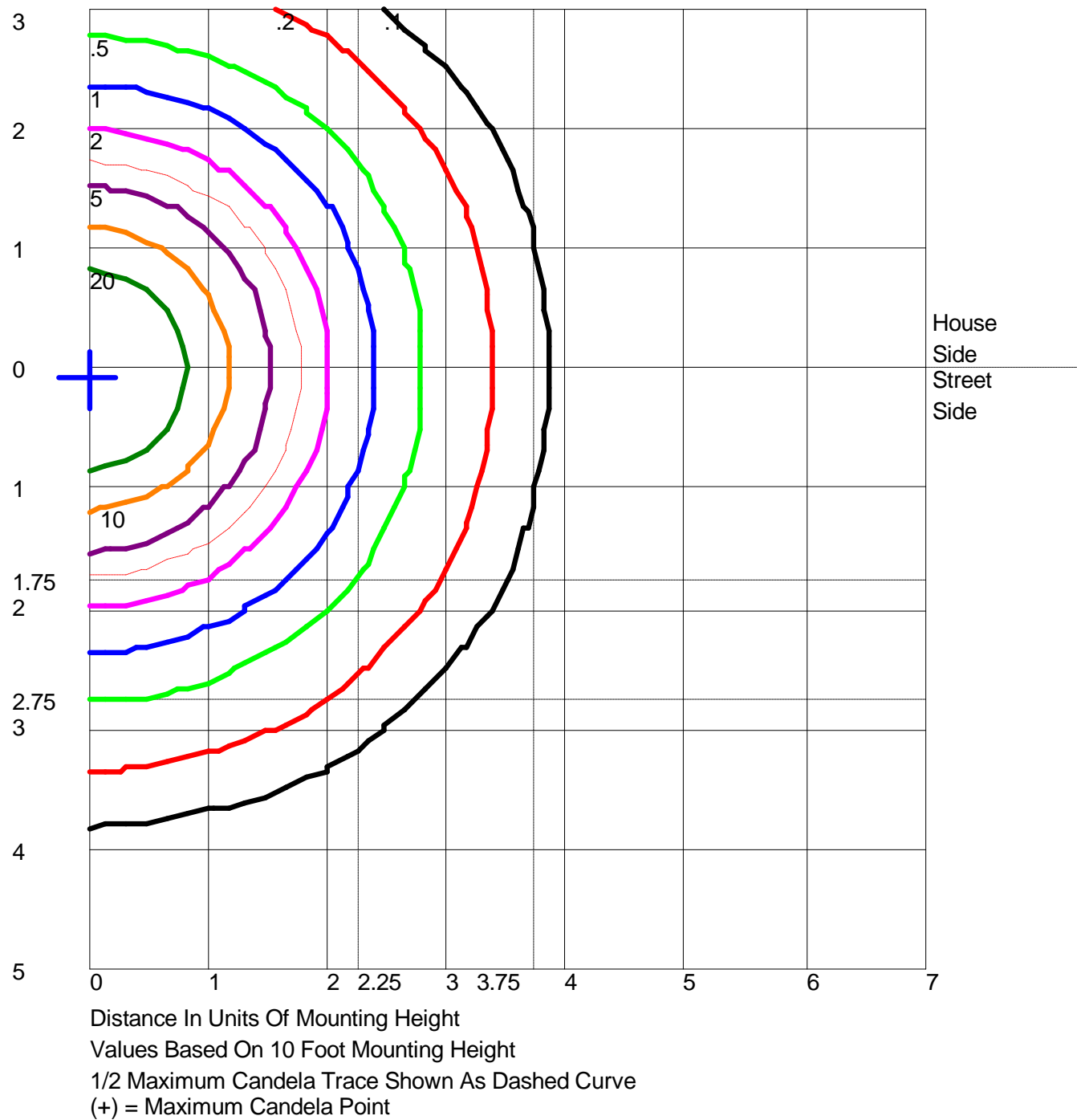
	Lumens	Percent Of Luminaire
Downward Street Side	7974.4	50.0
Downward House Side	7974.4	50.0
Downward Total	15948.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	15948.8	100.0

POLAR GRAPH

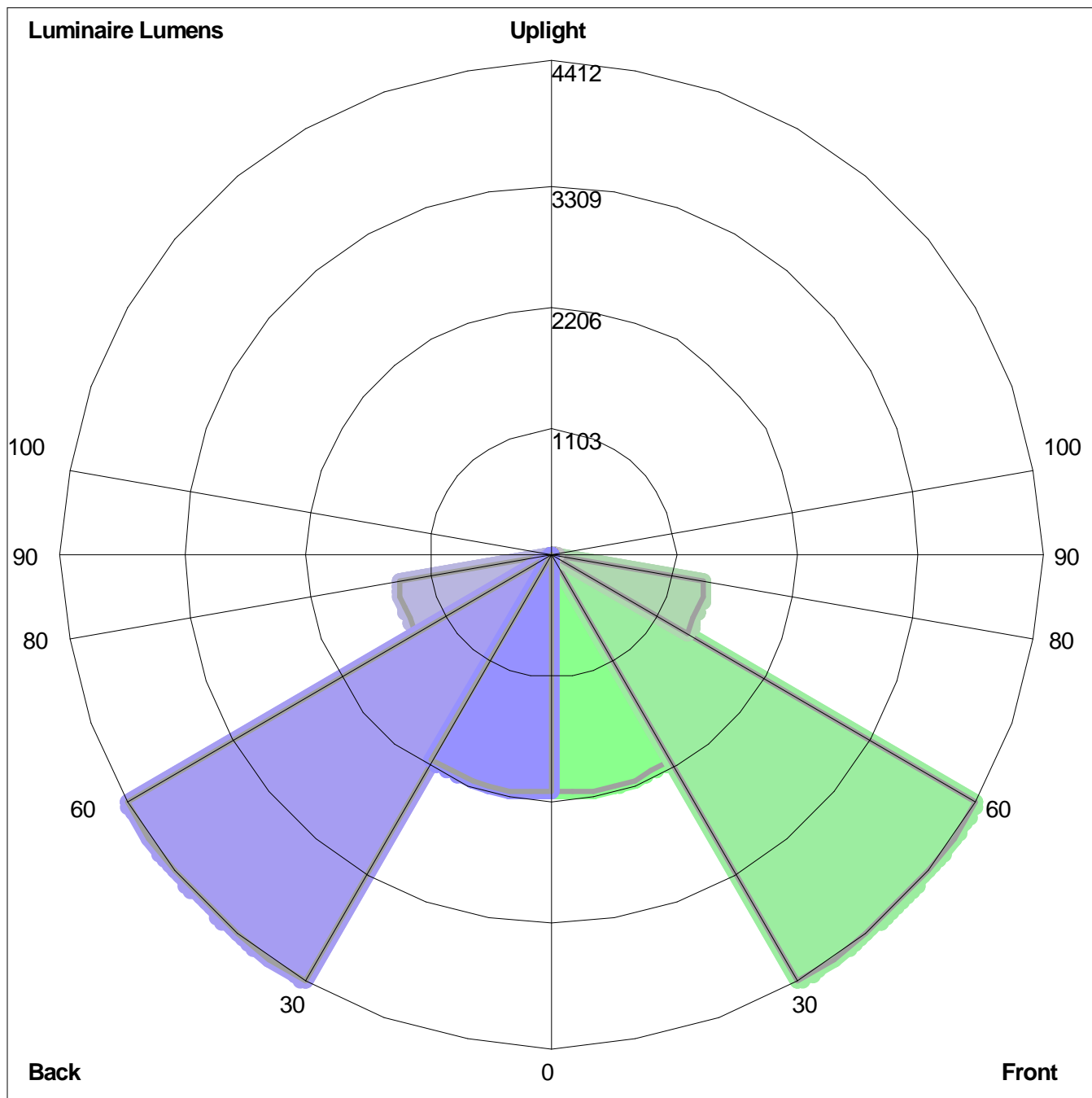


Maximum Candela = 5264 Located At Horizontal Angle = 0, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low= 2138.0, Medium=4411.6, High=1398.6, Very High=26.2  
Back: Low= 2138.0, Medium=4411.6, High=1398.6, Very High=26.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1