



IES ROAD REPORT

PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11650

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/7/2020

[TEST DATE] 03/30/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SLW-LED-20L-3-UNV-DIM-30

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

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

[OTHER] SCALED FROM ORIGINAL TEST DATA

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	19365
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	155
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8845
Maximum Candela Angle	55H 75V
Maximum Candela (<90 Degrees Vertical)	8845
Maximum Candela Angle (<90 Degrees Vertical)	55H 75V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5009 (25.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-30.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1823.6	N.A.	9.4
FM - Front-Medium (30-60)	5689.8	N.A.	29.4
FH - Front-High (60-80)	4649.6	N.A.	24.0
FVH - Front-Very High (80-90)	448.4	N.A.	2.3
BL - Back-Low (0-30)	1603.7	N.A.	8.3
BM - Back-Medium (30-60)	3646.6	N.A.	18.8
BH - Back-High (60-80)	1461.6	N.A.	7.5
BVH - Back-Very High (80-90)	42.1	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	19365.4	N.A.	100.0
BUG Rating	B3-U0-G3		

IES ROAD REPORT
PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-30.IES

CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>52.5</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	4035	4035	4035	4035	4035	4035	4035	4035	4035	4035
2.5	4054	4053	4060	4055	4065	4064	4056	4063	4061	4062
5.0	4104	4098	4105	4097	4104	4097	4086	4092	4084	4077
7.5	4155	4148	4153	4143	4145	4133	4119	4122	4108	4092
10.0	4210	4202	4206	4191	4189	4171	4152	4155	4132	4111
12.5	4267	4258	4261	4242	4236	4216	4190	4193	4161	4132
15.0	4322	4316	4315	4292	4283	4258	4230	4231	4194	4158
17.5	4377	4372	4366	4342	4332	4302	4272	4273	4231	4190
20.0	4430	4425	4417	4390	4379	4348	4316	4317	4274	4228
22.5	4481	4477	4469	4440	4425	4395	4365	4367	4322	4272
25.0	4525	4521	4512	4486	4472	4445	4418	4419	4377	4325
27.5	4558	4554	4546	4524	4515	4496	4476	4478	4438	4385
30.0	4577	4573	4568	4554	4559	4550	4538	4543	4509	4454
32.5	4577	4574	4576	4575	4598	4608	4606	4614	4587	4532
35.0	4567	4565	4575	4589	4636	4671	4684	4696	4677	4628
37.5	4556	4553	4573	4605	4679	4746	4779	4789	4783	4734
40.0	4548	4548	4575	4623	4731	4833	4885	4912	4911	4854
42.5	4543	4544	4578	4645	4790	4933	5009	5042	5049	4990
45.0	4528	4532	4577	4668	4852	5049	5160	5191	5212	5137
47.5	4499	4504	4563	4684	4912	5171	5320	5359	5386	5301
50.0	4443	4447	4525	4684	4969	5292	5486	5535	5571	5470
52.5	4354	4358	4457	4663	5009	5405	5650	5709	5765	5653
55.0	4220	4227	4343	4612	5038	5507	5799	5872	5957	5854
57.5	4047	4046	4191	4530	5067	5604	5915	5995	6125	6083
60.0	3839	3859	4020	4422	5089	5686	5976	6053	6236	6325
62.5	3642	3668	3839	4294	5101	5768	5986	6034	6253	6575
65.0	3366	3395	3569	4087	5080	5930	6034	6027	6172	6778
67.5	2960	2966	3147	3692	4911	6232	6339	6220	6011	6879
70.0	2524	2527	2658	3091	4296	6477	7033	6788	5765	6690
72.5	2056	2057	2161	2393	3220	6205	8051	7871	5502	6016
75.0	1261	1237	1372	1690	2162	5186	8629	8845	5120	4781
77.5	855	829	896	1100	1413	3662	7660	8111	4131	3291
80.0	431	440	490	706	937	2378	4755	5009	3408	2260
82.5	314	320	351	443	622	1395	2098	2144	3261	1236
85.0	222	227	247	304	422	752	905	1001	2031	515
87.5	157	156	160	182	254	394	471	621	958	177
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	4035	4035	4035	4035	4035	4035	4035	4035	4035	4035
2.5	4061	4051	4058	4053	4040	4026	4029	4025	4006	3998
5.0	4070	4057	4062	4050	4032	4016	4013	4006	3984	3973
7.5	4079	4063	4066	4048	4024	4002	3995	3984	3958	3945
10.0	4089	4071	4071	4048	4019	3989	3977	3958	3927	3909
12.5	4104	4083	4080	4052	4015	3977	3955	3926	3886	3859
15.0	4123	4098	4092	4056	4013	3962	3924	3882	3826	3789
17.5	4148	4119	4111	4067	4012	3944	3887	3824	3749	3692
20.0	4179	4145	4132	4081	4012	3921	3836	3744	3652	3578
22.5	4216	4181	4162	4099	4012	3890	3774	3648	3536	3454
25.0	4261	4223	4198	4122	4012	3851	3700	3545	3416	3327
27.5	4318	4272	4241	4149	4007	3802	3615	3436	3289	3201

IES ROAD REPORT
PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-30.IES

CANDELA TABULATION - (Cont.)

30.0	4380	4327	4291	4178	3996	3743	3523	3326	3175	3086
32.5	4447	4386	4344	4204	3975	3672	3418	3218	3069	2979
35.0	4526	4455	4404	4229	3940	3592	3315	3113	2970	2878
37.5	4613	4533	4472	4252	3897	3503	3213	3017	2877	2786
40.0	4715	4621	4546	4275	3844	3408	3116	2930	2793	2705
42.5	4828	4719	4624	4290	3778	3310	3026	2846	2715	2626
45.0	4952	4826	4715	4296	3703	3216	2936	2767	2635	2540
47.5	5092	4941	4802	4290	3613	3111	2847	2682	2543	2443
50.0	5231	5067	4886	4255	3494	2990	2748	2584	2447	2364
52.5	5383	5197	4965	4181	3340	2841	2627	2464	2355	2294
55.0	5562	5328	5029	4068	3164	2671	2472	2343	2254	2194
57.5	5793	5489	5092	3939	2977	2475	2275	2207	2061	1887
60.0	6088	5709	5177	3807	2768	2244	2066	1973	1779	1610
62.5	6477	6016	5327	3655	2480	2028	1838	1636	1486	1204
65.0	6928	6387	5510	3373	2193	1789	1495	1342	1117	882
67.5	7313	6687	5546	2989	1881	1481	1161	1082	825	615
70.0	7203	6389	5011	2509	1539	1083	940	796	557	334
72.5	6129	5066	3886	1902	1211	784	735	518	304	236
75.0	5275	4381	2887	1315	815	572	504	304	179	145
77.5	5677	4230	1947	820	479	351	282	175	112	93
80.0	4265	2194	931	480	234	173	147	93	66	52
82.5	1440	678	475	240	105	82	71	40	13	2
85.0	389	265	212	78	34	22	6	1	0	0
87.5	119	87	46	12	3	3	2	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

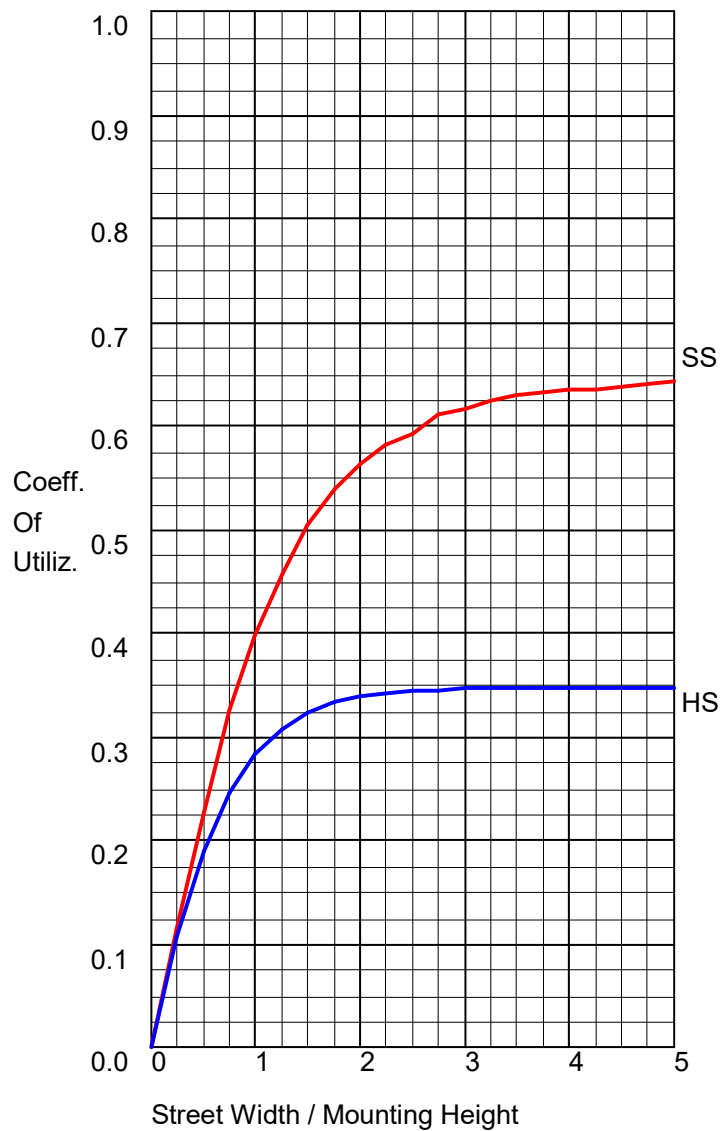
	<u>175.0</u>	<u>180.0</u>
0.0	4035	4035
2.5	3990	4010
5.0	3965	3984
7.5	3937	3953
10.0	3899	3915
12.5	3842	3859
15.0	3764	3782
17.5	3664	3678
20.0	3544	3556
22.5	3415	3424
25.0	3283	3290
27.5	3157	3162
30.0	3040	3045
32.5	2935	2940
35.0	2838	2844
37.5	2742	2753
40.0	2665	2664
42.5	2584	2581
45.0	2489	2490
47.5	2403	2406
50.0	2335	2338
52.5	2275	2278
55.0	2136	2133
57.5	1841	1851
60.0	1473	1481
62.5	1054	1024
65.0	837	822

IES ROAD REPORT
PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-30.IES

CANDELA TABULATION - (Cont.)

67.5	510	501
70.0	309	308
72.5	214	212
75.0	134	132
77.5	85	85
80.0	47	45
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

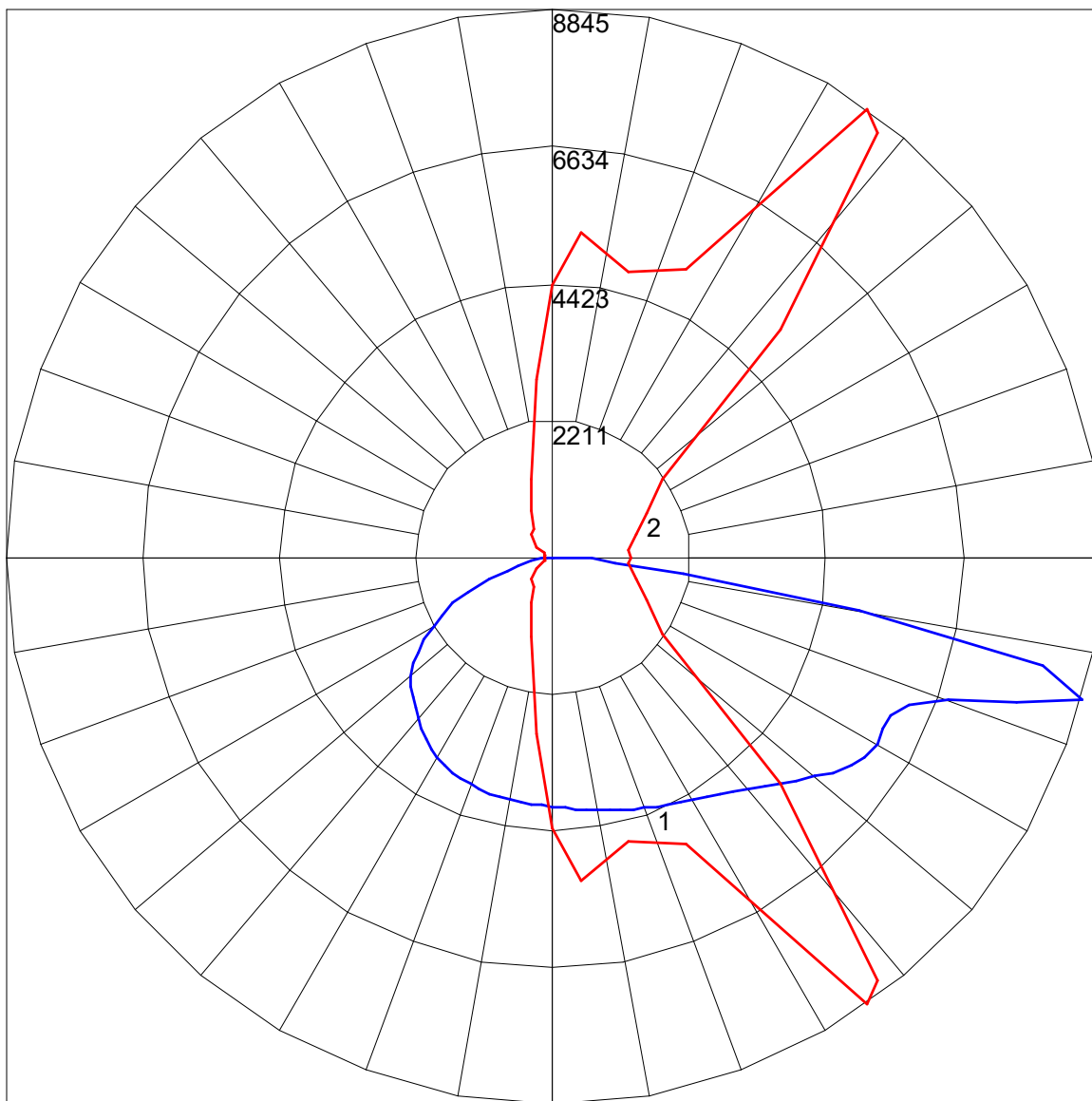
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

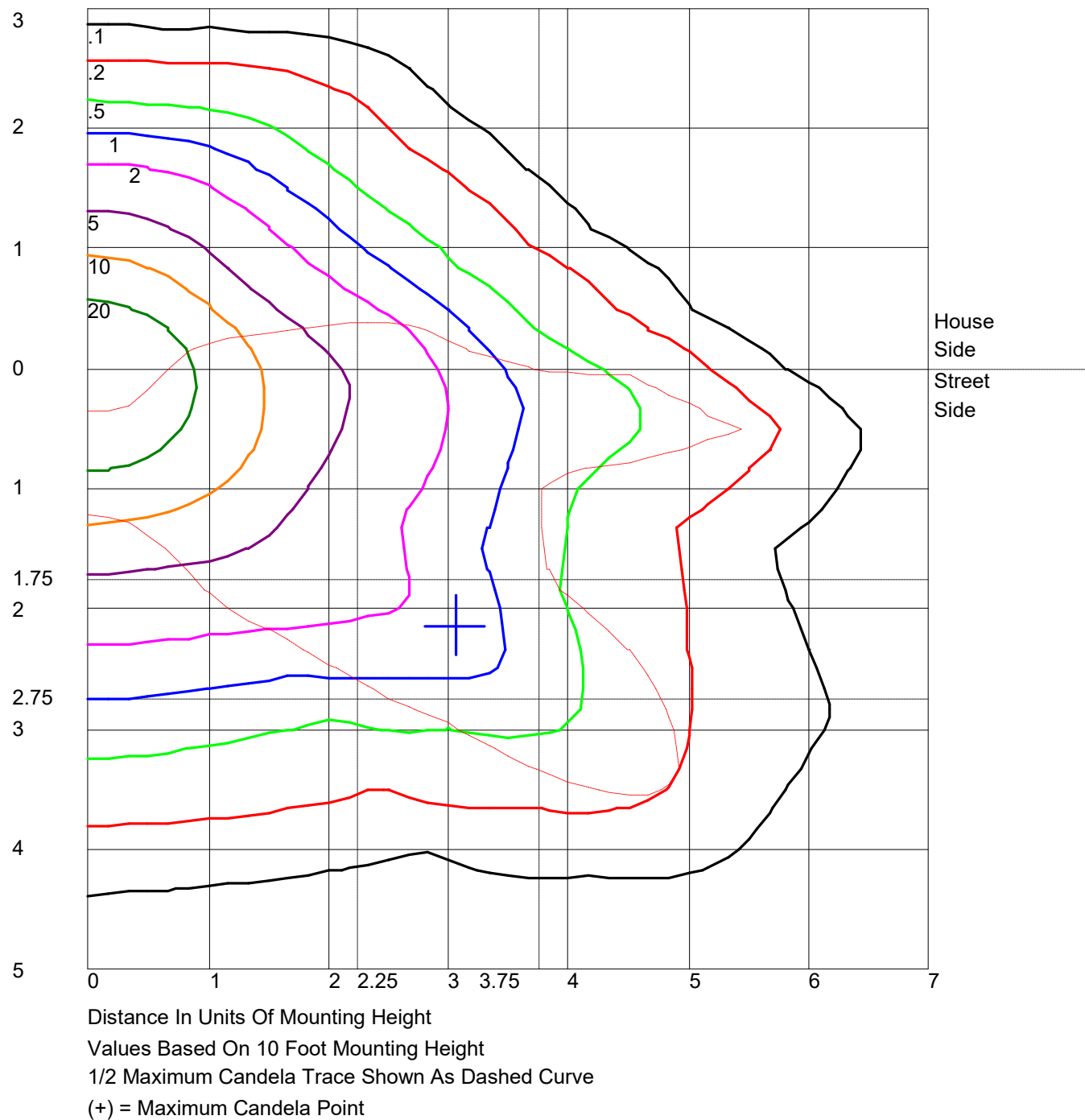
	Lumens	Percent Of Luminaire
Downward Street Side	12611.5	65.1
Downward House Side	6753.9	34.9
Downward Total	19365.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19365.4	100.0

POLAR GRAPH

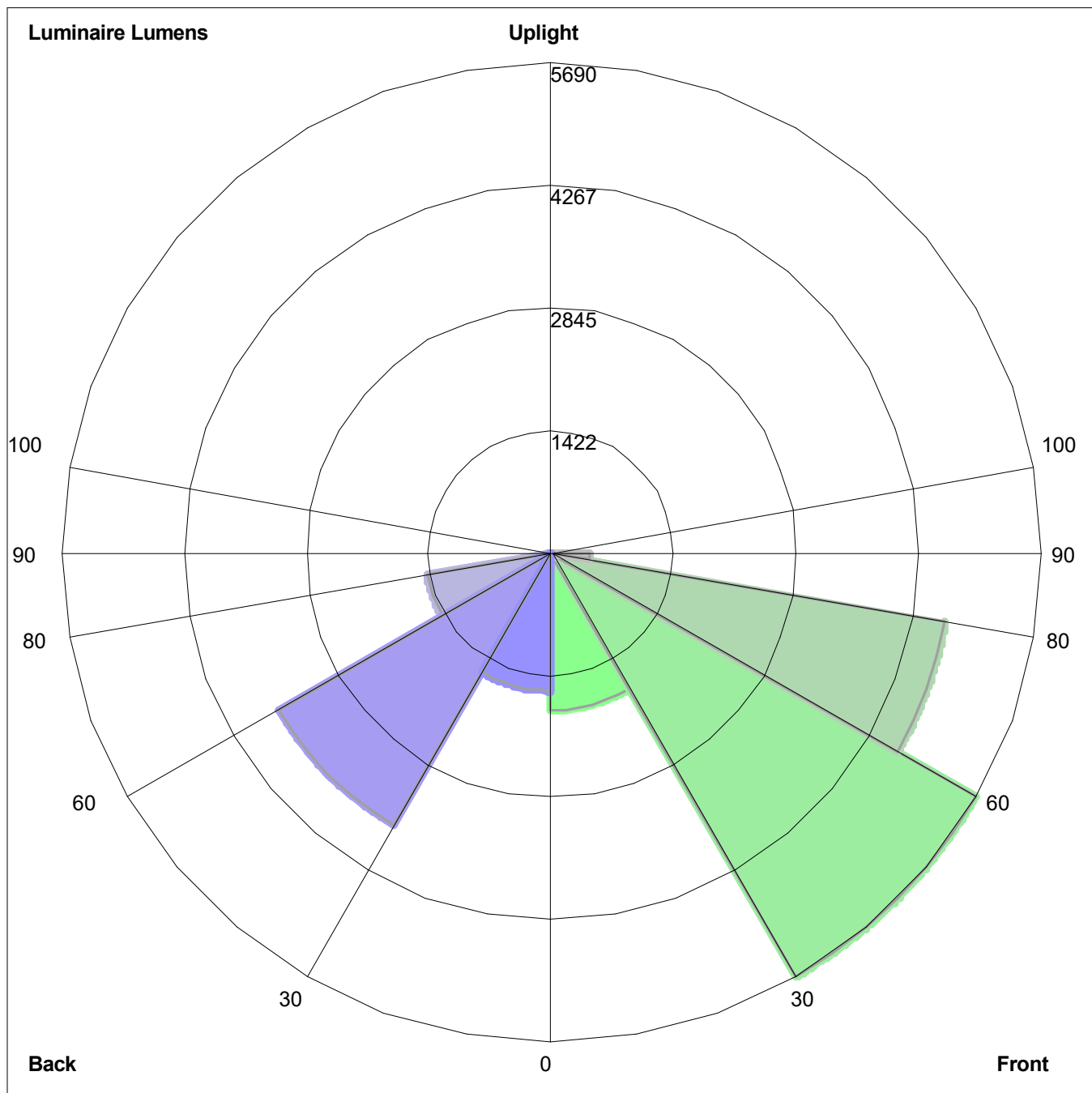


Maximum Candela = 8845 Located At Horizontal Angle = 55, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1823.6, Medium=5689.8, High=4649.6, Very High=448.4
Back: Low=1603.7, Medium=3646.6, High=1461.6, Very High=42.1
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3