



## IES ROAD REPORT

PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-40.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-40

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

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

### CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	19955
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	155
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9114
Maximum Candela Angle	55H 75V
Maximum Candela (<90 Degrees Vertical)	9114
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	5162 (25.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-40.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1879.2	N.A.	9.4
FM - Front-Medium (30-60)	5863.2	N.A.	29.4
FH - Front-High (60-80)	4791.3	N.A.	24.0
FVH - Front-Very High (80-90)	462.1	N.A.	2.3
BL - Back-Low (0-30)	1652.5	N.A.	8.3
BM - Back-Medium (30-60)	3757.6	N.A.	18.8
BH - Back-High (60-80)	1506.1	N.A.	7.5
BVH - Back-Very High (80-90)	43.3	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	19955.3	N.A.	100.0
BUG Rating	B3-U0-G3		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-40.IES**

**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>5.0</b></u>	<u><b>15.0</b></u>	<u><b>25.0</b></u>	<u><b>35.0</b></u>	<u><b>45.0</b></u>	<u><b>52.5</b></u>	<u><b>55.0</b></u>	<u><b>65.0</b></u>	<u><b>75.0</b></u>
<b>0.0</b>	4158	4158	4158	4158	4158	4158	4158	4158	4158	4158
<b>2.5</b>	4178	4176	4184	4179	4189	4188	4180	4187	4185	4186
<b>5.0</b>	4229	4223	4230	4222	4229	4222	4210	4217	4208	4201
<b>7.5</b>	4282	4274	4280	4269	4271	4259	4244	4248	4233	4217
<b>10.0</b>	4338	4330	4334	4319	4317	4298	4279	4282	4258	4236
<b>12.5</b>	4397	4388	4391	4371	4365	4344	4318	4321	4288	4258
<b>15.0</b>	4454	4448	4446	4423	4414	4388	4359	4360	4322	4285
<b>17.5</b>	4510	4505	4499	4474	4464	4433	4402	4403	4360	4318
<b>20.0</b>	4565	4560	4552	4524	4512	4480	4448	4449	4404	4357
<b>22.5</b>	4618	4613	4605	4575	4560	4529	4498	4500	4454	4402
<b>25.0</b>	4663	4659	4649	4623	4608	4580	4553	4554	4510	4457
<b>27.5</b>	4697	4693	4685	4662	4653	4633	4612	4614	4573	4519
<b>30.0</b>	4716	4712	4707	4693	4698	4689	4676	4681	4646	4590
<b>32.5</b>	4716	4713	4715	4714	4738	4748	4746	4755	4727	4670
<b>35.0</b>	4706	4704	4714	4729	4777	4813	4827	4839	4820	4769
<b>37.5</b>	4695	4692	4712	4745	4822	4891	4925	4935	4929	4878
<b>40.0</b>	4687	4687	4714	4764	4875	4980	5034	5062	5061	5002
<b>42.5</b>	4681	4682	4717	4787	4936	5083	5162	5196	5203	5142
<b>45.0</b>	4666	4670	4716	4810	5000	5203	5317	5349	5371	5293
<b>47.5</b>	4636	4641	4702	4827	5062	5329	5482	5522	5550	5463
<b>50.0</b>	4578	4582	4663	4827	5120	5453	5653	5704	5741	5637
<b>52.5</b>	4487	4491	4593	4805	5162	5570	5822	5883	5941	5825
<b>55.0</b>	4349	4356	4475	4753	5192	5675	5976	6051	6138	6032
<b>57.5</b>	4170	4169	4319	4668	5221	5775	6095	6178	6312	6268
<b>60.0</b>	3956	3977	4142	4557	5244	5859	6158	6237	6426	6518
<b>62.5</b>	3753	3780	3956	4425	5256	5944	6168	6218	6444	6775
<b>65.0</b>	3469	3498	3678	4212	5235	6111	6218	6211	6360	6985
<b>67.5</b>	3050	3056	3243	3805	5061	6422	6532	6409	6194	7089
<b>70.0</b>	2601	2604	2739	3185	4427	6674	7247	6995	5941	6894
<b>72.5</b>	2119	2120	2227	2466	3318	6394	8296	8111	5670	6199
<b>75.0</b>	1299	1275	1414	1741	2228	5344	8892	9114	5276	4927
<b>77.5</b>	881	854	923	1134	1456	3774	7893	8358	4257	3391
<b>80.0</b>	444	453	505	728	966	2450	4900	5162	3512	2329
<b>82.5</b>	324	330	362	456	641	1437	2162	2209	3360	1274
<b>85.0</b>	229	234	255	313	435	775	933	1032	2093	531
<b>87.5</b>	162	161	165	188	262	406	485	640	987	182
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>85.0</b></u>	<u><b>90.0</b></u>	<u><b>95.0</b></u>	<u><b>105.0</b></u>	<u><b>115.0</b></u>	<u><b>125.0</b></u>	<u><b>135.0</b></u>	<u><b>145.0</b></u>	<u><b>155.0</b></u>	<u><b>165.0</b></u>
<b>0.0</b>	4158	4158	4158	4158	4158	4158	4158	4158	4158	4158
<b>2.5</b>	4185	4174	4182	4176	4163	4149	4152	4148	4128	4120
<b>5.0</b>	4194	4181	4186	4173	4155	4138	4135	4128	4105	4094
<b>7.5</b>	4203	4187	4190	4171	4147	4124	4117	4105	4079	4065
<b>10.0</b>	4214	4195	4195	4171	4141	4111	4098	4079	4047	4028
<b>12.5</b>	4229	4207	4204	4175	4137	4098	4076	4046	4004	3977
<b>15.0</b>	4249	4223	4217	4180	4135	4083	4044	4000	3943	3904
<b>17.5</b>	4274	4244	4236	4191	4134	4064	4005	3940	3863	3804
<b>20.0</b>	4306	4271	4258	4205	4134	4040	3953	3858	3763	3687
<b>22.5</b>	4344	4308	4289	4224	4134	4009	3889	3759	3644	3559
<b>25.0</b>	4391	4352	4326	4248	4134	3968	3813	3653	3520	3428
<b>27.5</b>	4450	4402	4370	4275	4129	3918	3725	3541	3389	3299

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-40.IES**

**CANDELA TABULATION - (Cont.)**

30.0	4513	4459	4422	4305	4118	3857	3630	3427	3272	3180
32.5	4583	4520	4476	4332	4096	3784	3522	3316	3162	3070
35.0	4664	4591	4538	4358	4060	3701	3416	3208	3060	2966
37.5	4754	4671	4608	4382	4016	3610	3311	3109	2965	2871
40.0	4859	4762	4684	4405	3961	3512	3211	3019	2878	2787
42.5	4975	4863	4765	4421	3893	3411	3118	2933	2798	2706
45.0	5103	4973	4859	4427	3816	3314	3025	2851	2715	2617
47.5	5247	5092	4948	4421	3723	3206	2934	2764	2620	2517
50.0	5390	5221	5035	4385	3600	3081	2832	2663	2522	2436
52.5	5547	5355	5116	4308	3442	2928	2707	2539	2427	2364
55.0	5731	5490	5182	4192	3260	2752	2547	2414	2323	2261
57.5	5969	5656	5247	4059	3068	2550	2344	2274	2124	1944
60.0	6274	5883	5335	3923	2852	2312	2129	2033	1833	1659
62.5	6674	6199	5489	3766	2556	2090	1894	1686	1531	1241
65.0	7139	6582	5678	3476	2260	1844	1541	1383	1151	909
67.5	7536	6891	5715	3080	1938	1526	1196	1115	850	634
70.0	7422	6584	5164	2585	1586	1116	969	820	574	344
72.5	6316	5220	4004	1960	1248	808	757	534	313	243
75.0	5436	4514	2975	1355	840	589	519	313	184	149
77.5	5850	4359	2006	845	494	362	291	180	115	96
80.0	4395	2261	959	495	241	178	151	96	68	54
82.5	1484	699	489	247	108	84	73	41	13	2
85.0	401	273	218	80	35	23	6	1	0	0
87.5	123	90	47	12	3	3	2	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

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

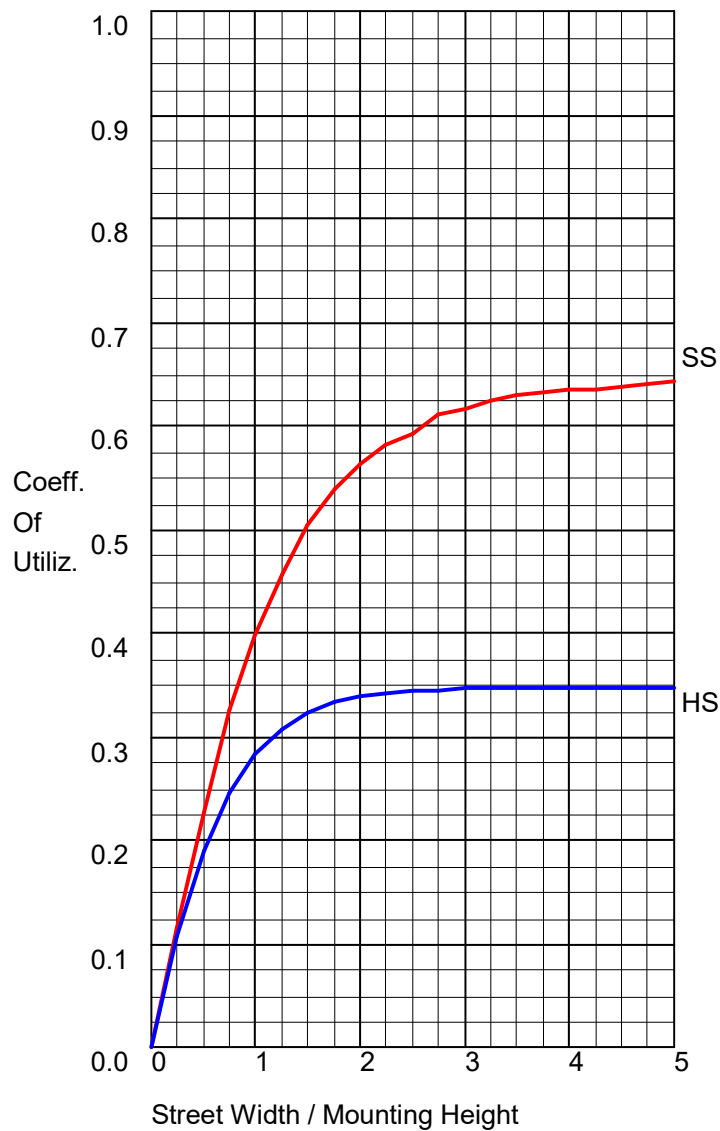
	<b><u>175.0</u></b>	<b><u>180.0</u></b>
0.0	4158	4158
2.5	4112	4132
5.0	4086	4105
7.5	4057	4073
10.0	4018	4034
12.5	3959	3977
15.0	3879	3897
17.5	3776	3790
20.0	3652	3664
22.5	3519	3528
25.0	3383	3390
27.5	3253	3258
30.0	3133	3138
32.5	3024	3030
35.0	2924	2931
37.5	2826	2837
40.0	2746	2745
42.5	2663	2660
45.0	2565	2566
47.5	2476	2479
50.0	2406	2409
52.5	2344	2347
55.0	2201	2198
57.5	1897	1907
60.0	1518	1526
62.5	1086	1055
65.0	862	847

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	526	516
<b>70.0</b>	318	317
<b>72.5</b>	221	218
<b>75.0</b>	138	136
<b>77.5</b>	88	88
<b>80.0</b>	48	46
<b>82.5</b>	0	0
<b>85.0</b>	0	0
<b>87.5</b>	0	0
<b>90.0</b>	0	0

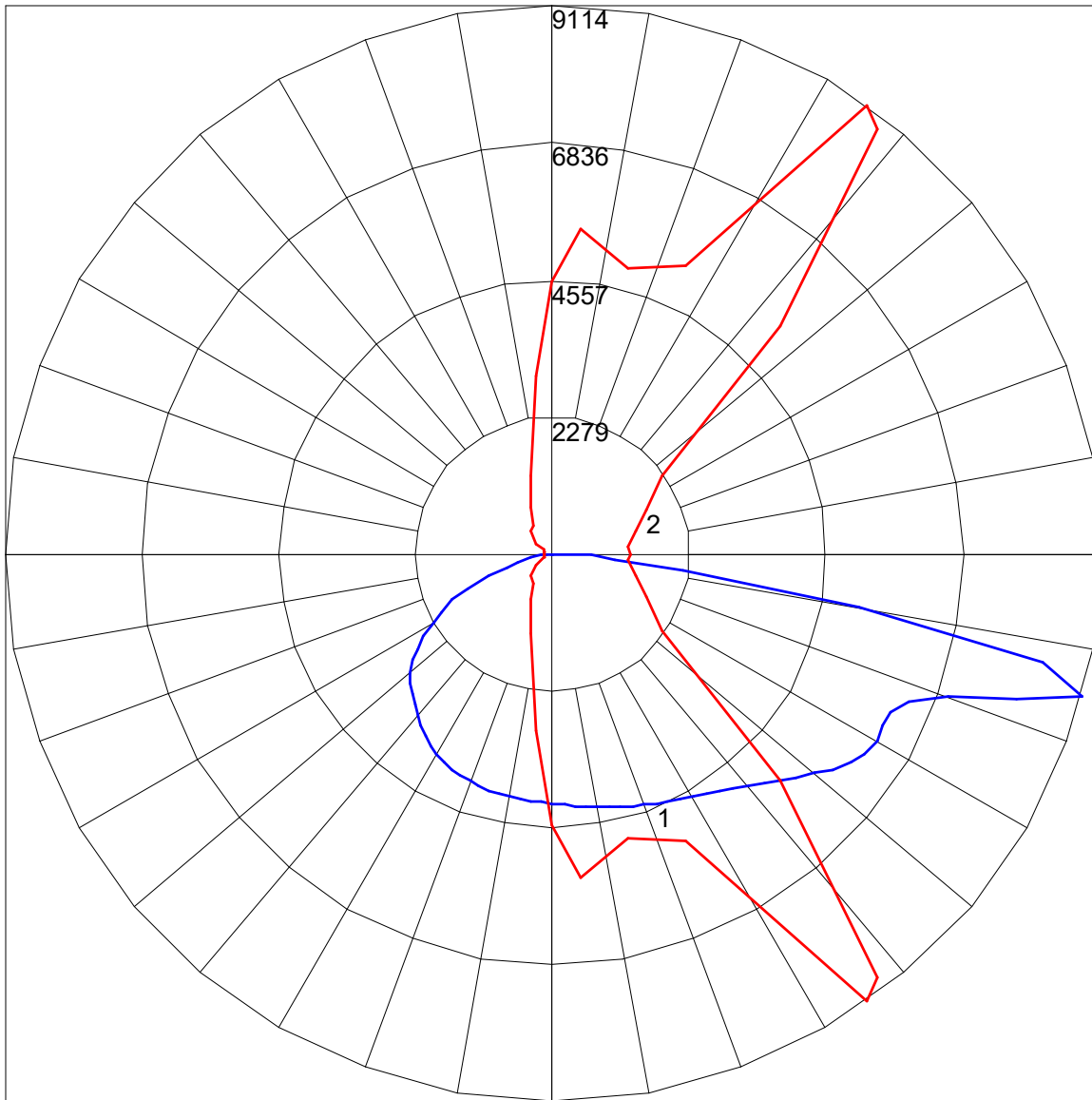
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

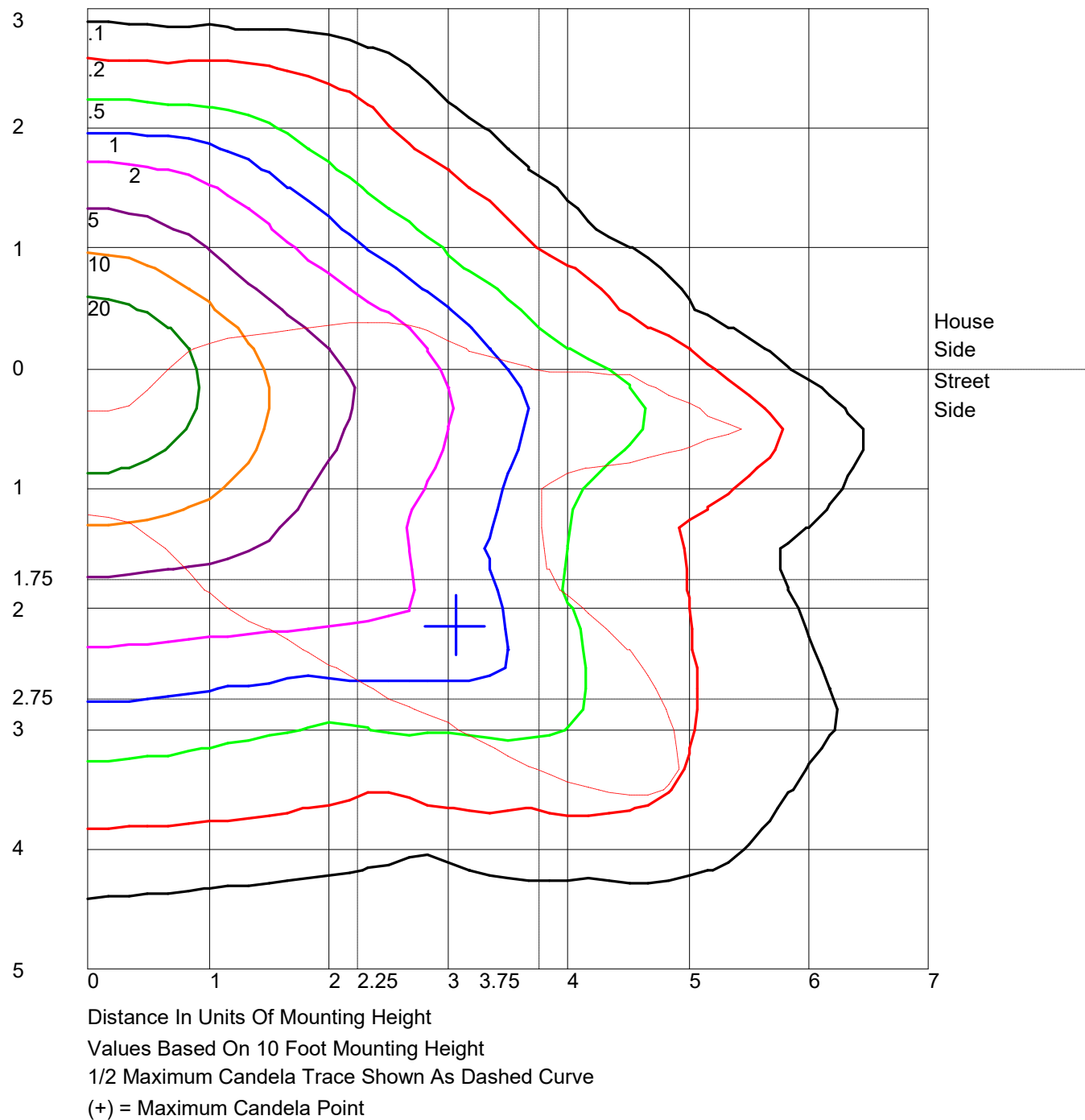
	Lumens	Percent Of Luminaire
Downward Street Side	12995.8	65.1
Downward House Side	6959.6	34.9
Downward Total	19955.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19955.4	100.0

POLAR GRAPH



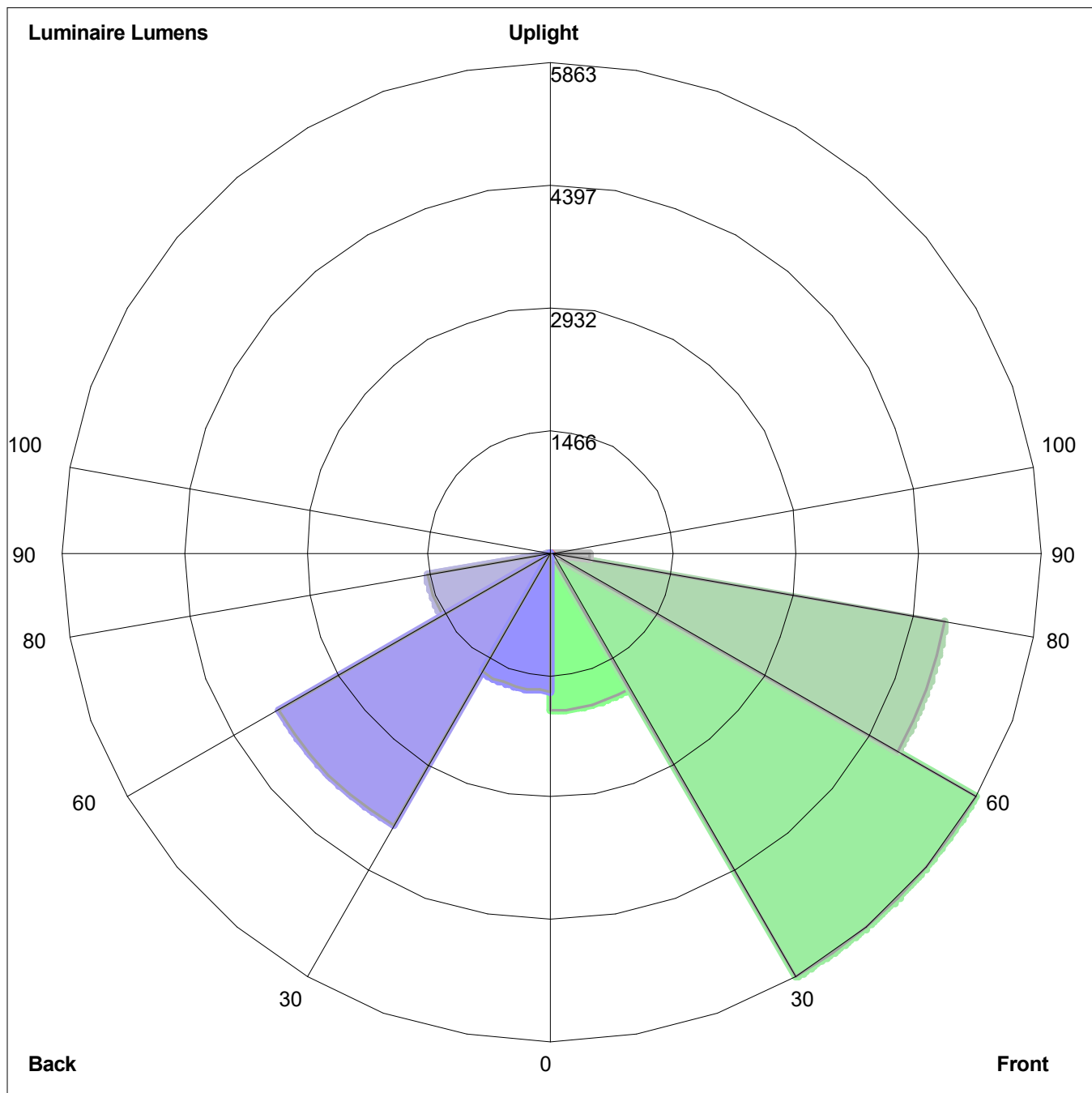
Maximum Candela = 9114 Located At Horizontal Angle = 55, Vertical Angle = 75  
# 1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1879.2, Medium=5863.2, High=4791.3, Very High=462.1  
Back: Low=1652.5, Medium=3757.6, High=1506.1, Very High=43.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3