



IES ROAD REPORT

PHOTOMETRIC FILENAME : SLW-LED-20L-3-UNV-DIM-50.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
[MANUFACTURER] LSI INDUSTRIES, INC.
[LUMCAT] SLW-LED-20L-3-UNV-DIM-50
[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	20469
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	155
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9349
Maximum Candela Angle	55H 75V
Maximum Candela (<90 Degrees Vertical)	9349
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	5295 (25.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1927.6	N.A.	9.4
FM - Front-Medium (30-60)	6014.1	N.A.	29.4
FH - Front-High (60-80)	4914.8	N.A.	24.0
FVH - Front-Very High (80-90)	474.1	N.A.	2.3
BL - Back-Low (0-30)	1695.1	N.A.	8.3
BM - Back-Medium (30-60)	3854.4	N.A.	18.8
BH - Back-High (60-80)	1544.9	N.A.	7.5
BVH - Back-Very High (80-90)	44.4	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	20469.4	N.A.	100.0
BUG Rating	B3-U0-G3		

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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	4265	4265	4265	4265	4265	4265	4265	4265	4265	4265
2.5	4286	4284	4292	4287	4297	4296	4288	4295	4293	4294
5.0	4338	4332	4339	4331	4338	4331	4318	4326	4316	4309
7.5	4392	4384	4390	4379	4381	4369	4353	4357	4342	4326
10.0	4450	4442	4446	4430	4428	4409	4389	4392	4368	4345
12.5	4510	4501	4504	4484	4477	4456	4429	4432	4398	4368
15.0	4569	4563	4561	4537	4528	4501	4471	4472	4433	4395
17.5	4626	4621	4615	4589	4579	4547	4515	4516	4472	4429
20.0	4683	4677	4669	4641	4628	4595	4563	4564	4517	4469
22.5	4737	4732	4724	4693	4677	4646	4614	4616	4569	4515
25.0	4783	4779	4769	4742	4727	4698	4670	4671	4626	4572
27.5	4818	4814	4806	4782	4773	4752	4731	4733	4691	4635
30.0	4837	4833	4828	4814	4819	4810	4796	4802	4766	4708
32.5	4837	4834	4836	4835	4860	4870	4868	4877	4849	4790
35.0	4827	4825	4835	4851	4900	4937	4951	4964	4944	4892
37.5	4816	4813	4833	4867	4946	5017	5052	5062	5056	5004
40.0	4808	4808	4835	4887	5001	5108	5164	5192	5191	5131
42.5	4802	4803	4839	4910	5063	5214	5295	5330	5337	5274
45.0	4786	4790	4837	4934	5129	5337	5454	5487	5509	5429
47.5	4755	4761	4823	4951	5192	5466	5623	5664	5693	5604
50.0	4696	4700	4783	4951	5252	5593	5799	5851	5889	5782
52.5	4603	4607	4711	4929	5295	5713	5972	6035	6094	5975
55.0	4461	4468	4590	4875	5326	5821	6130	6207	6296	6187
57.5	4277	4276	4430	4788	5355	5924	6252	6337	6475	6429
60.0	4058	4079	4249	4674	5379	6010	6317	6398	6592	6686
62.5	3850	3877	4058	4539	5391	6097	6327	6378	6610	6950
65.0	3558	3588	3773	4320	5370	6268	6378	6371	6524	7165
67.5	3129	3135	3327	3903	5191	6587	6700	6574	6354	7272
70.0	2668	2671	2810	3267	4541	6846	7434	7175	6094	7072
72.5	2174	2175	2284	2530	3403	6559	8510	8320	5816	6359
75.0	1332	1308	1450	1786	2285	5482	9121	9349	5412	5054
77.5	904	876	947	1163	1494	3871	8096	8573	4367	3478
80.0	455	465	518	747	991	2513	5026	5295	3602	2389
82.5	332	339	371	468	658	1474	2218	2266	3447	1307
85.0	235	240	262	321	446	795	957	1059	2147	545
87.5	166	165	169	193	269	416	497	656	1012	187
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	4265	4265	4265	4265	4265	4265	4265	4265	4265	4265
2.5	4293	4282	4290	4284	4270	4256	4259	4255	4234	4226
5.0	4302	4289	4294	4280	4262	4245	4242	4234	4211	4199
7.5	4311	4295	4298	4278	4254	4230	4223	4211	4184	4170
10.0	4323	4303	4303	4278	4248	4217	4204	4184	4151	4132
12.5	4338	4315	4312	4283	4244	4204	4181	4150	4107	4079
15.0	4358	4332	4326	4288	4242	4188	4148	4103	4045	4005
17.5	4384	4353	4345	4299	4240	4169	4108	4041	3963	3902
20.0	4417	4381	4368	4313	4240	4144	4055	3957	3860	3782
22.5	4456	4419	4399	4333	4240	4112	3989	3856	3738	3651
25.0	4504	4464	4437	4357	4240	4070	3911	3747	3611	3516
27.5	4565	4515	4483	4385	4235	4019	3821	3632	3476	3384

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CANDELA TABULATION - (Cont.)

30.0	4629	4574	4536	4416	4224	3956	3724	3515	3356	3262
32.5	4701	4636	4591	4444	4202	3881	3613	3401	3243	3149
35.0	4784	4709	4655	4470	4165	3796	3504	3291	3139	3042
37.5	4876	4791	4727	4495	4119	3703	3396	3189	3041	2945
40.0	4984	4885	4805	4518	4063	3602	3294	3097	2952	2859
42.5	5103	4988	4888	4535	3993	3499	3198	3009	2870	2776
45.0	5234	5101	4984	4541	3914	3399	3103	2924	2785	2684
47.5	5382	5223	5075	4535	3819	3289	3010	2835	2687	2582
50.0	5529	5355	5165	4498	3693	3160	2905	2732	2587	2499
52.5	5690	5493	5248	4419	3531	3003	2777	2604	2490	2425
55.0	5879	5631	5315	4300	3344	2823	2613	2476	2383	2319
57.5	6123	5802	5382	4164	3147	2616	2404	2333	2179	1994
60.0	6436	6035	5472	4024	2925	2372	2184	2085	1880	1702
62.5	6846	6359	5630	3863	2622	2144	1943	1729	1570	1273
65.0	7323	6752	5824	3566	2318	1891	1581	1419	1181	932
67.5	7730	7068	5862	3159	1988	1565	1227	1144	872	650
70.0	7613	6754	5297	2652	1627	1145	994	841	589	353
72.5	6479	5354	4107	2010	1280	829	776	548	321	249
75.0	5576	4630	3052	1390	862	604	532	321	189	153
77.5	6001	4471	2058	867	507	371	298	185	118	98
80.0	4508	2319	984	508	247	183	155	98	70	55
82.5	1522	717	502	253	111	86	75	42	13	2
85.0	411	280	224	82	36	24	6	1	0	0
87.5	126	92	48	12	3	3	2	1	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

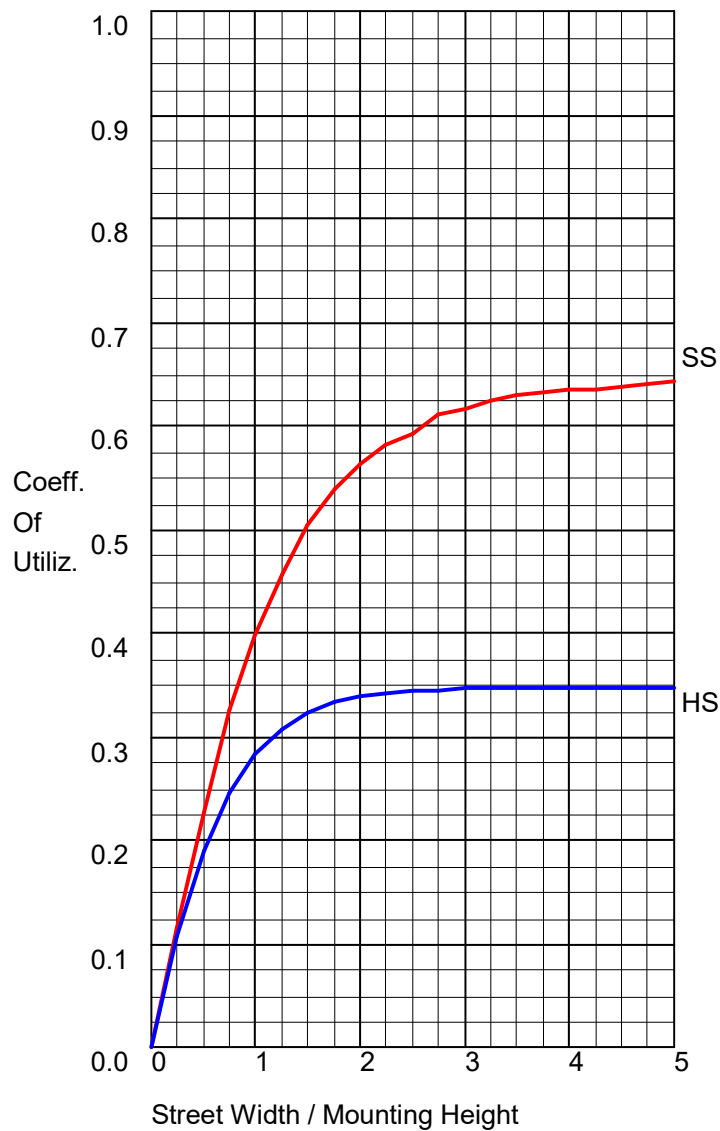
	<u>175.0</u>	<u>180.0</u>
0.0	4265	4265
2.5	4218	4238
5.0	4191	4211
7.5	4161	4178
10.0	4121	4138
12.5	4061	4079
15.0	3979	3997
17.5	3873	3888
20.0	3746	3758
22.5	3610	3619
25.0	3470	3477
27.5	3337	3342
30.0	3214	3219
32.5	3102	3108
35.0	2999	3006
37.5	2899	2910
40.0	2817	2816
42.5	2732	2729
45.0	2631	2632
47.5	2540	2543
50.0	2468	2471
52.5	2404	2407
55.0	2258	2255
57.5	1946	1956
60.0	1557	1565
62.5	1114	1082
65.0	884	869

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CANDELA TABULATION - (Cont.)

67.5	540	529
70.0	326	325
72.5	227	224
75.0	142	140
77.5	90	90
80.0	49	47
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

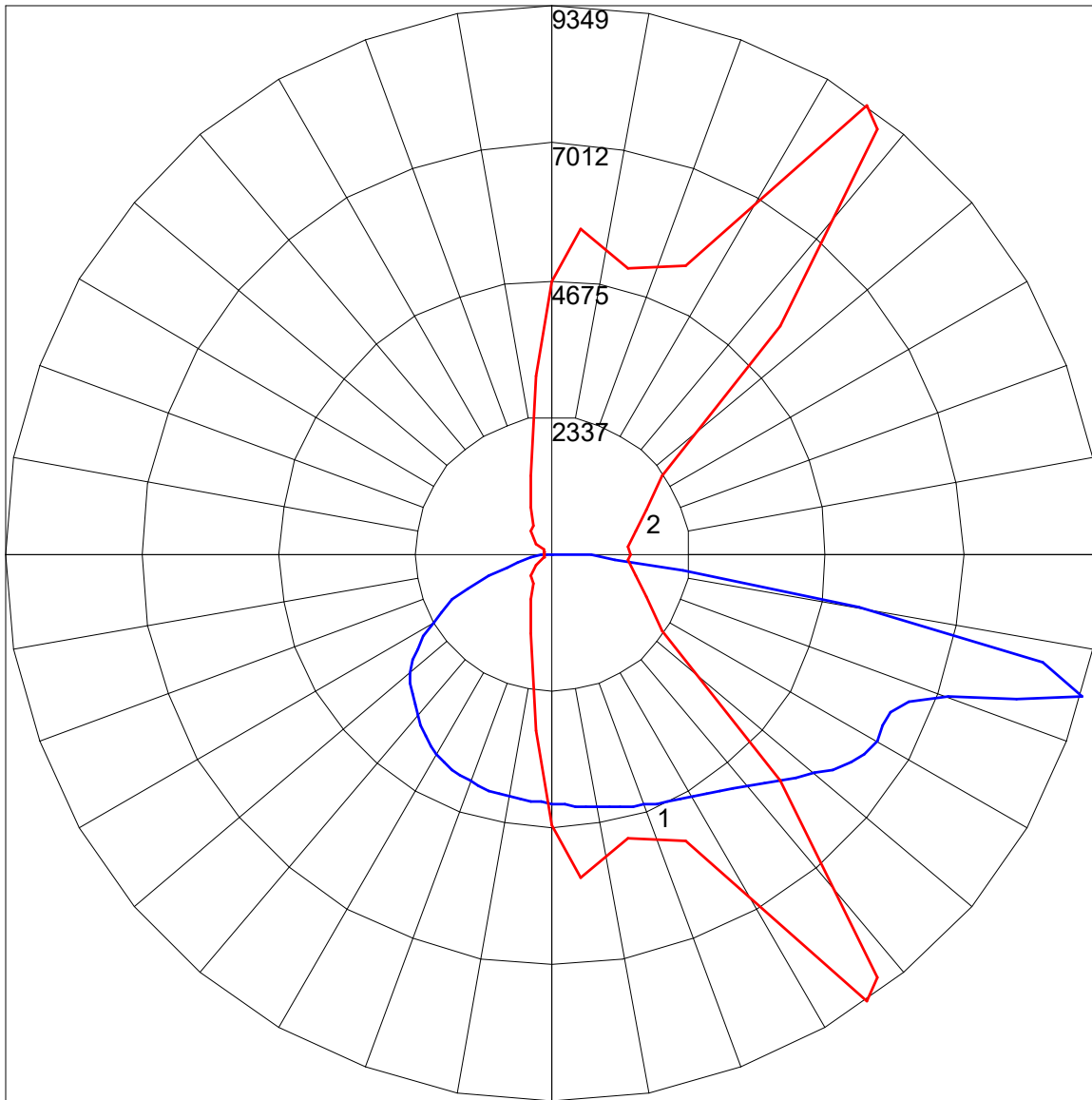
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

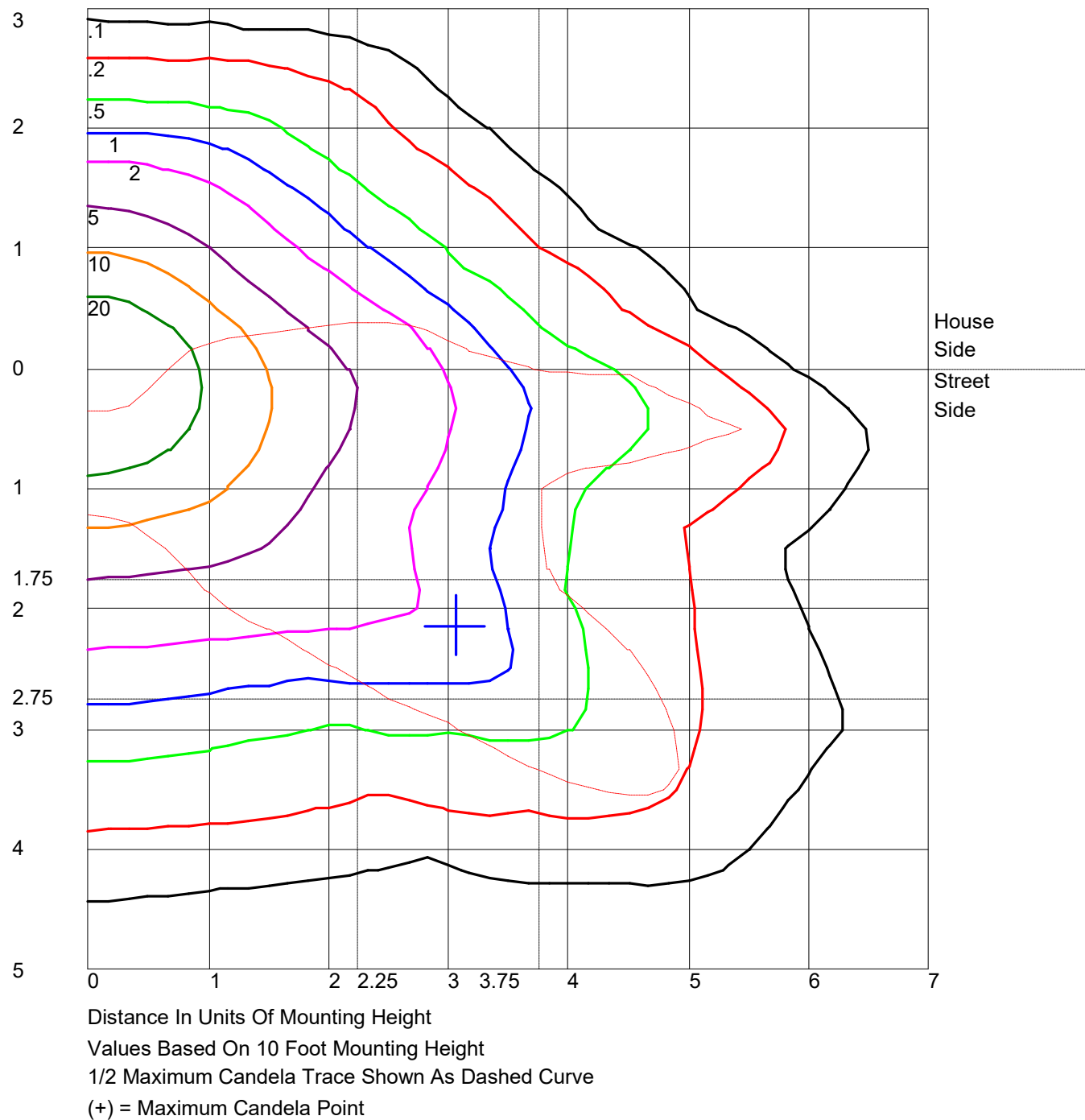
	Lumens	Percent Of Luminaire
Downward Street Side	13330.5	65.1
Downward House Side	7138.8	34.9
Downward Total	20469.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	20469.3	100.0

POLAR GRAPH

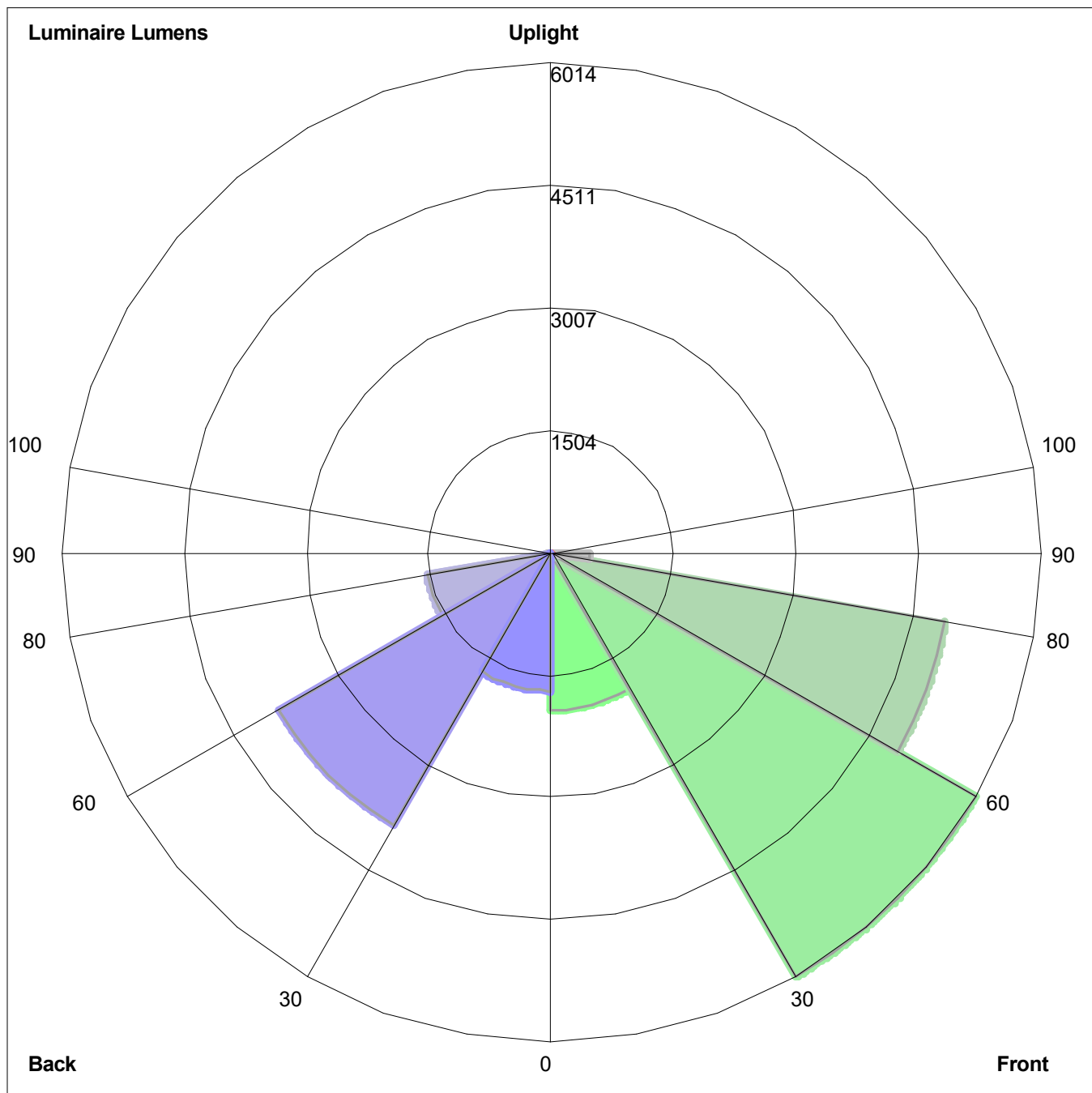


Maximum Candela = 9349 Located At Horizontal Angle = 55, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1927.6, Medium=6014.1, High=4914.8, Very High=474.1
Back: Low=1695.1, Medium=3854.4, High=1544.9, Very High=44.4
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3