



IES ROAD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11776
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 5/7/2020
[TEST DATE] 04/28/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] SLW-LED-20L-FT-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	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	19241
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	155
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8510
Maximum Candela Angle	37.5H 70V
Maximum Candela (<90 Degrees Vertical)	8510
Maximum Candela Angle (<90 Degrees Vertical)	37.5H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1833 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1791.2	N.A.	9.3
FM - Front-Medium (30-60)	6094.3	N.A.	31.7
FH - Front-High (60-80)	4862.6	N.A.	25.3
FVH - Front-Very High (80-90)	173.6	N.A.	0.9
BL - Back-Low (0-30)	1551.5	N.A.	8.1
BM - Back-Medium (30-60)	3418.5	N.A.	17.8
BH - Back-High (60-80)	1286.9	N.A.	6.7
BVH - Back-Very High (80-90)	62.1	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	19240.7	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>37.5</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	3826	3826	3826	3826	3826	3826	3826	3826	3826	3826
2.5	3812	3814	3821	3827	3841	3839	3852	3879	3885	3892
5.0	3864	3867	3875	3877	3889	3885	3895	3915	3917	3916
7.5	3920	3922	3928	3929	3939	3933	3942	3957	3952	3945
10.0	3976	3977	3984	3984	3992	3989	3993	4004	3994	3983
12.5	4039	4038	4041	4041	4052	4045	4052	4057	4046	4025
15.0	4097	4096	4101	4102	4115	4108	4114	4117	4102	4076
17.5	4159	4158	4164	4168	4184	4178	4185	4194	4168	4135
20.0	4219	4219	4228	4238	4260	4256	4267	4278	4250	4205
22.5	4277	4276	4291	4313	4347	4345	4367	4375	4342	4285
25.0	4328	4331	4352	4389	4440	4443	4474	4486	4448	4383
27.5	4373	4378	4411	4468	4546	4548	4593	4610	4564	4484
30.0	4409	4416	4466	4548	4654	4663	4722	4744	4686	4590
32.5	4434	4444	4513	4631	4769	4791	4860	4885	4813	4696
35.0	4449	4462	4551	4712	4891	4923	5009	5038	4946	4802
37.5	4465	4480	4593	4795	5025	5068	5176	5201	5084	4913
40.0	4478	4496	4636	4884	5178	5237	5357	5374	5224	5014
42.5	4485	4507	4679	4979	5331	5401	5553	5551	5365	5106
45.0	4467	4496	4703	5065	5488	5572	5747	5738	5495	5193
47.5	4439	4470	4715	5141	5650	5751	5955	5939	5634	5280
50.0	4454	4484	4749	5229	5820	5941	6176	6147	5784	5374
52.5	4533	4561	4826	5344	6011	6150	6419	6366	5952	5491
55.0	4679	4701	4962	5500	6224	6361	6644	6570	6126	5629
57.5	4894	4910	5151	5696	6420	6562	6820	6716	6252	5777
60.0	5170	5182	5404	5898	6580	6706	6937	6781	6257	5862
62.5	5470	5483	5663	6106	6732	6854	7073	6827	6093	5712
65.0	5755	5754	5886	6344	7031	7186	7446	7010	5799	5192
67.5	5522	5592	5959	6673	7712	7906	8096	7357	5575	4364
70.0	4189	4336	5215	6846	8406	8510	8208	7052	5243	4046
72.5	3083	3159	3979	5882	7603	7515	6470	5724	4336	3771
75.0	2380	2415	2955	4083	5236	5289	4847	4312	2553	2138
77.5	836	872	1248	2157	3280	3345	3512	2781	1303	876
80.0	316	323	421	785	1421	1513	1833	1775	795	396
82.5	184	182	231	406	698	767	993	1150	357	207
85.0	82	90	115	171	287	325	460	583	130	111
87.5	13	13	23	37	61	73	114	121	36	42
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	3826	3826	3826	3826	3826	3826	3826	3826	3826	3826
2.5	3888	3880	3890	3872	3859	3840	3811	3796	3769	3765
5.0	3904	3892	3897	3873	3853	3825	3789	3768	3737	3730
7.5	3926	3911	3912	3879	3850	3814	3770	3742	3706	3695
10.0	3957	3936	3932	3891	3852	3806	3755	3717	3675	3658
12.5	3991	3967	3960	3909	3859	3802	3740	3694	3641	3617
15.0	4035	4007	3994	3933	3873	3804	3728	3667	3600	3566
17.5	4086	4054	4035	3964	3894	3810	3716	3635	3549	3501
20.0	4146	4107	4085	4002	3919	3816	3699	3595	3484	3419
22.5	4217	4171	4142	4047	3945	3820	3674	3541	3400	3308
25.0	4296	4242	4206	4093	3970	3818	3640	3468	3297	3184
27.5	4382	4318	4278	4141	3990	3807	3586	3376	3177	3047

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CANDELA TABULATION - (Cont.)

30.0	4470	4397	4346	4187	4006	3782	3512	3265	3044	2904
32.5	4560	4479	4415	4232	4013	3738	3416	3126	2897	2765
35.0	4645	4553	4483	4274	4010	3676	3300	2981	2758	2635
37.5	4727	4629	4549	4312	3997	3600	3168	2838	2626	2522
40.0	4801	4696	4611	4344	3974	3510	3023	2700	2517	2417
42.5	4864	4752	4657	4364	3939	3409	2887	2584	2420	2319
45.0	4920	4801	4694	4369	3889	3294	2756	2477	2322	2179
47.5	4978	4847	4728	4357	3824	3171	2630	2374	2177	1957
50.0	5040	4899	4760	4330	3731	3025	2506	2248	1964	1675
52.5	5110	4954	4796	4269	3595	2855	2373	2078	1695	1440
55.0	5207	5026	4826	4165	3412	2650	2208	1857	1462	1330
57.5	5342	5127	4852	4022	3196	2415	2006	1616	1305	1203
60.0	5477	5230	4865	3861	2953	2151	1757	1401	1162	1017
62.5	5486	5255	4843	3689	2650	1879	1486	1210	957	772
65.0	5153	5043	4708	3464	2299	1628	1260	988	702	645
67.5	4265	4388	4285	3062	1929	1384	1064	714	586	557
70.0	3564	3513	3469	2498	1589	1114	771	561	494	463
72.5	3567	3110	2663	1806	1256	836	573	452	405	368
75.0	3260	2939	2122	1214	891	542	434	348	312	295
77.5	2103	2187	1570	796	528	356	313	248	219	213
80.0	869	1025	877	484	265	224	194	169	163	168
82.5	327	443	485	296	157	122	119	116	115	119
85.0	142	206	243	143	75	68	72	70	71	71
87.5	46	66	79	33	23	23	22	19	14	5
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

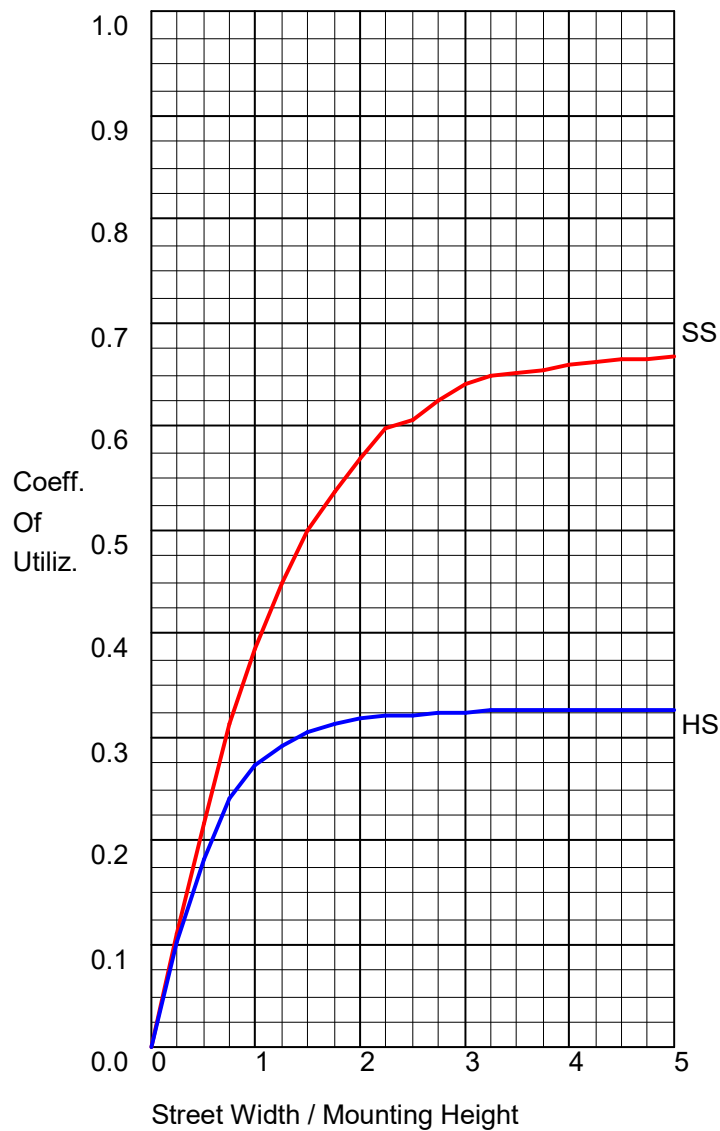
	<u>175.0</u>	<u>180.0</u>
0.0	3826	3826
2.5	3750	3756
5.0	3713	3718
7.5	3676	3680
10.0	3638	3641
12.5	3592	3595
15.0	3534	3537
17.5	3462	3463
20.0	3368	3358
22.5	3244	3237
25.0	3109	3101
27.5	2966	2956
30.0	2821	2810
32.5	2684	2675
35.0	2562	2553
37.5	2457	2449
40.0	2362	2355
42.5	2251	2243
45.0	2066	2063
47.5	1804	1771
50.0	1521	1509
52.5	1375	1372
55.0	1290	1286
57.5	1108	1100
60.0	972	968
62.5	758	756
65.0	640	638

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CANDELA TABULATION - (Cont.)

67.5	543	534
70.0	449	442
72.5	355	352
75.0	289	287
77.5	216	217
80.0	171	173
82.5	122	123
85.0	74	77
87.5	0	0
90.0	0	0

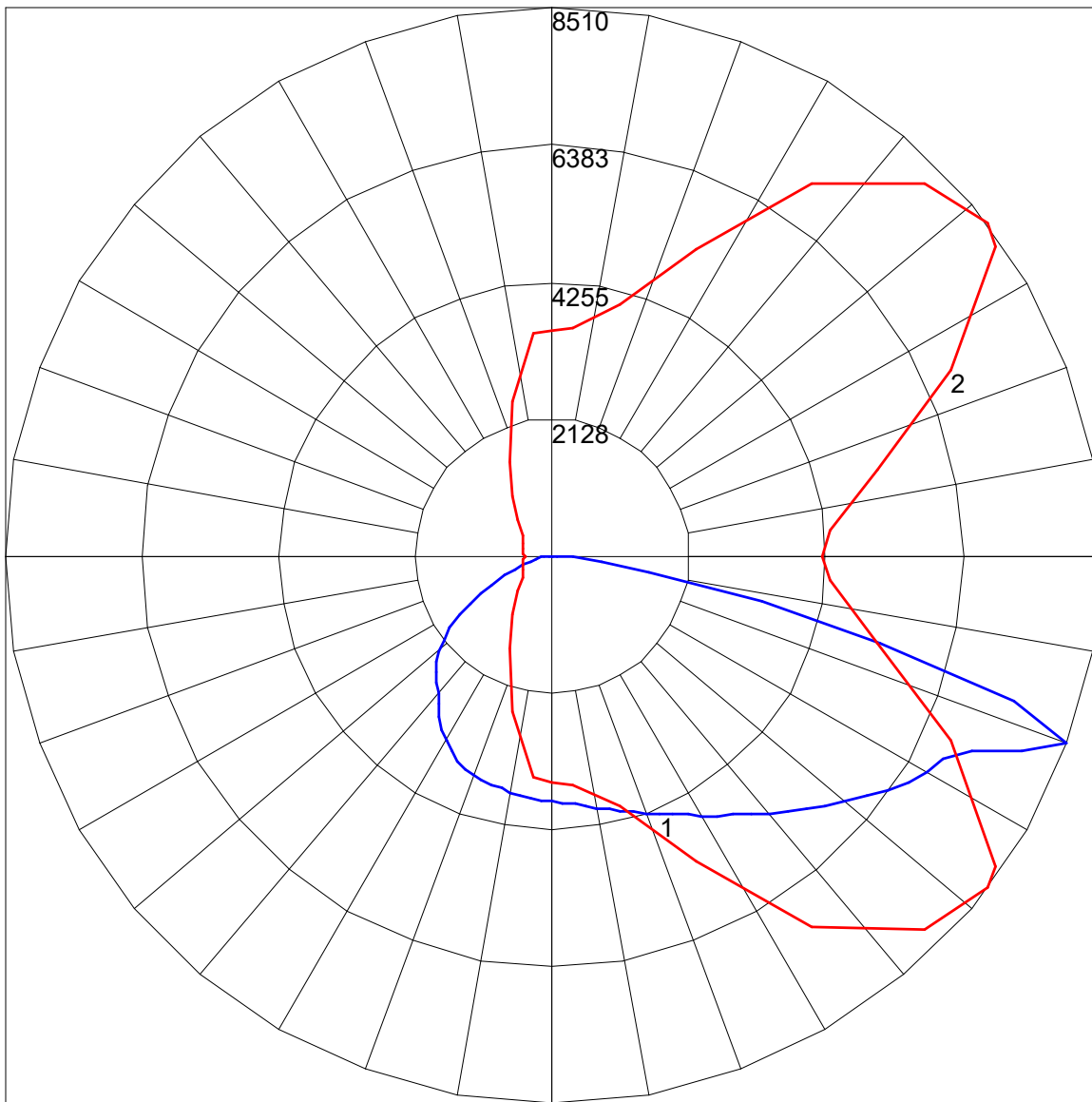
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

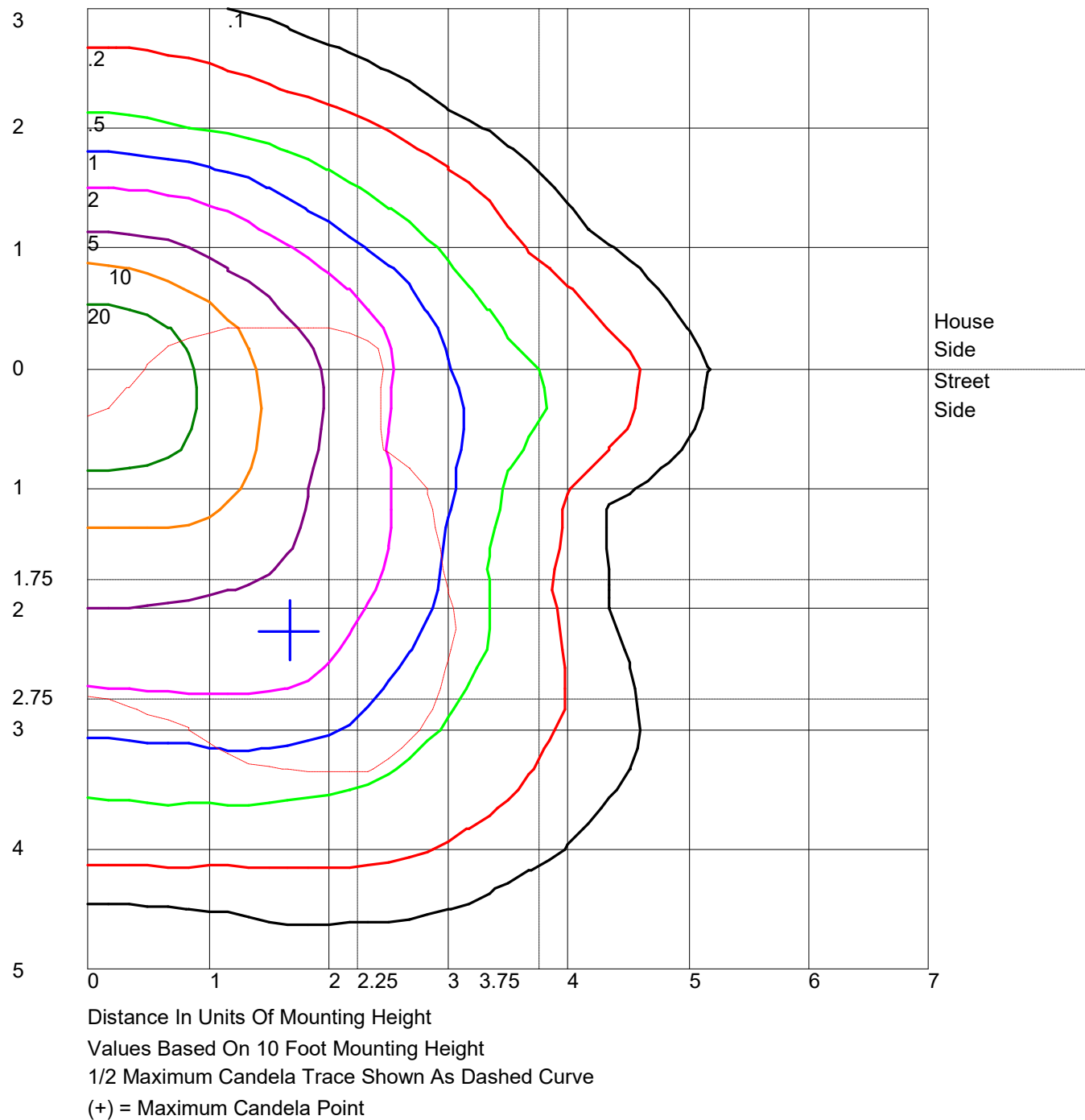
	Lumens	Percent Of Luminaire
Downward Street Side	12921.7	67.2
Downward House Side	6318.9	32.8
Downward Total	19240.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	19240.6	100.0

POLAR GRAPH

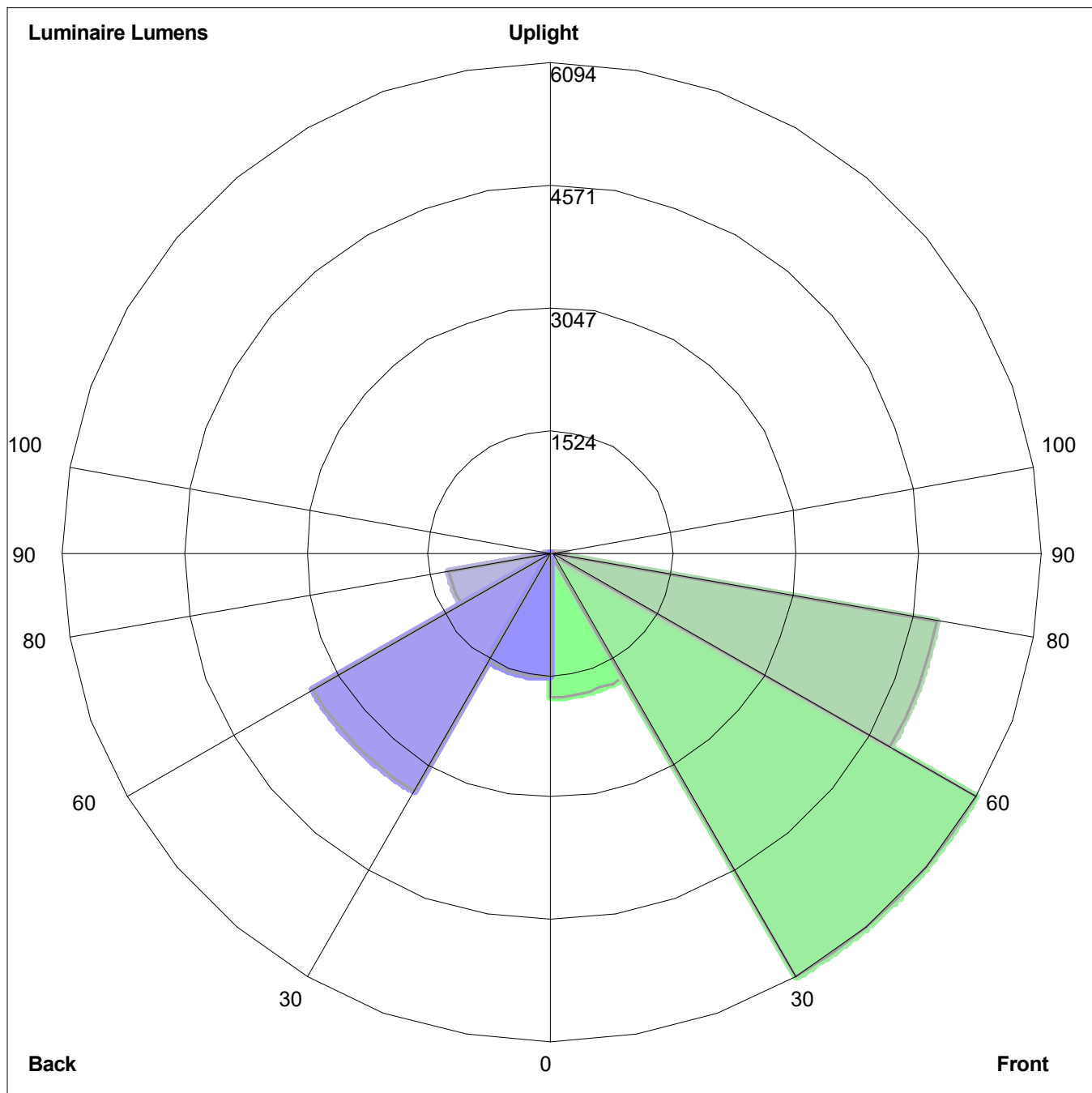


Maximum Candela = 8510 Located At Horizontal Angle = 37.5, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (37.5 - 217.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1791.2, Medium=6094.3, High=4862.6, Very High=173.6
Back: Low=1551.5, Medium=3418.5, High=1286.9, Very High=62.1
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G3