



IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-03L-3-UNV-DIM-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11648

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/7/2020

[TEST DATE] 03/27/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SSW-LED-03L-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 III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3173
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2047
Maximum Candela Angle	65H 70V
Maximum Candela (<90 Degrees Vertical)	2047
Maximum Candela Angle (<90 Degrees Vertical)	65H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	227 (7.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	363.7	N.A.	11.5
FM - Front-Medium (30-60)	1067.3	N.A.	33.6
FH - Front-High (60-80)	719.5	N.A.	22.7
FVH - Front-Very High (80-90)	15.8	N.A.	0.5
BL - Back-Low (0-30)	245.1	N.A.	7.7
BM - Back-Medium (30-60)	480.9	N.A.	15.2
BH - Back-High (60-80)	274.9	N.A.	8.7
BVH - Back-Very High (80-90)	6.3	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	3173.5	N.A.	100.0
BUG Rating	B1-U0-G1		

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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>55.0</u>	<u>62.5</u>	<u>65.0</u>	<u>75.0</u>
0.0	773	773	773	773	773	773	773	773	773	773
2.5	789	792	791	790	790	786	786	781	780	779
5.0	815	818	817	814	813	807	803	796	794	787
7.5	839	842	840	836	833	826	819	810	807	795
10.0	861	861	859	854	851	841	833	821	817	802
12.5	877	878	876	872	866	856	845	832	828	809
15.0	890	891	890	884	880	870	857	842	837	815
17.5	899	900	899	895	891	881	867	851	846	821
20.0	901	903	903	901	899	890	877	860	854	827
22.5	901	903	903	902	903	896	884	868	862	833
25.0	903	904	904	904	905	901	892	877	870	840
27.5	900	902	903	903	906	904	899	885	879	847
30.0	895	897	898	900	905	905	903	891	886	854
32.5	888	890	891	894	901	905	906	897	892	860
35.0	885	888	887	888	896	904	909	902	898	868
37.5	887	889	888	885	891	901	913	909	906	878
40.0	890	891	891	887	890	900	916	919	917	890
42.5	896	897	895	891	894	901	922	931	931	906
45.0	912	911	906	899	902	909	931	947	949	928
47.5	926	926	921	914	914	924	945	967	972	957
50.0	926	926	927	932	936	945	968	995	1002	996
52.5	887	890	910	938	962	977	1004	1035	1046	1051
55.0	775	780	827	913	981	1024	1056	1095	1111	1129
57.5	589	585	664	814	976	1079	1133	1187	1206	1242
60.0	364	360	436	620	892	1129	1250	1317	1349	1384
62.5	207	214	240	369	693	1139	1418	1515	1532	1553
65.0	143	146	153	188	430	1039	1590	1736	1762	1728
67.5	111	112	114	124	198	795	1715	1943	1962	1863
70.0	88	88	91	95	115	532	1635	2031	2047	1849
72.5	66	65	69	76	85	289	1240	1820	1864	1605
75.0	54	54	55	59	69	139	708	1232	1309	1104
77.5	43	42	44	48	52	78	284	564	617	551
80.0	32	31	32	34	36	58	105	211	227	226
82.5	20	20	20	22	23	35	45	89	96	92
85.0	8	8	8	9	10	14	17	30	30	26
87.5	1	1	0	0	1	1	2	3	2	1
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	773	773	773	773	773	773	773	773	773	773
2.5	777	778	777	771	767	764	760	760	757	760
5.0	781	779	775	764	754	747	737	733	727	727
7.5	784	780	773	756	741	727	714	704	695	693
10.0	787	780	770	747	726	706	687	673	660	654
12.5	789	780	767	737	709	682	659	638	619	610
15.0	791	779	763	727	692	658	627	599	576	563
17.5	793	779	759	716	673	631	591	559	531	516
20.0	794	778	755	705	654	602	555	519	487	470
22.5	797	778	751	693	633	573	519	478	446	429
25.0	800	778	748	682	612	543	485	442	409	392
27.5	803	779	745	671	591	515	452	407	376	362

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CANDELA TABULATION - (Cont.)

30.0	806	779	742	659	570	486	421	375	349	341
32.5	809	779	739	646	547	459	391	348	331	327
35.0	814	780	736	634	526	433	364	330	320	319
37.5	820	784	736	623	506	407	341	317	312	314
40.0	830	791	738	614	487	385	325	309	307	311
42.5	843	801	743	607	469	364	313	302	303	309
45.0	862	815	752	601	454	345	304	298	301	308
47.5	886	835	766	598	440	330	296	293	299	308
50.0	921	864	786	597	427	317	291	290	297	307
52.5	971	903	814	601	415	306	286	287	295	306
55.0	1038	960	851	607	403	297	280	282	291	304
57.5	1131	1033	900	617	393	288	273	275	285	297
60.0	1243	1118	957	630	383	279	263	266	273	282
62.5	1368	1209	1014	639	370	266	248	249	253	262
65.0	1482	1285	1056	634	350	246	229	224	215	199
67.5	1535	1309	1055	595	316	222	202	179	170	172
70.0	1470	1240	977	520	267	188	163	141	140	139
72.5	1238	1056	820	416	211	151	120	111	105	106
75.0	877	747	595	288	154	98	92	80	72	68
77.5	480	437	344	173	106	67	60	46	39	25
80.0	193	180	148	90	52	38	30	26	16	4
82.5	68	64	53	39	23	17	13	13	8	2
85.0	17	17	13	10	6	4	3	2	1	0
87.5	1	1	1	1	1	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

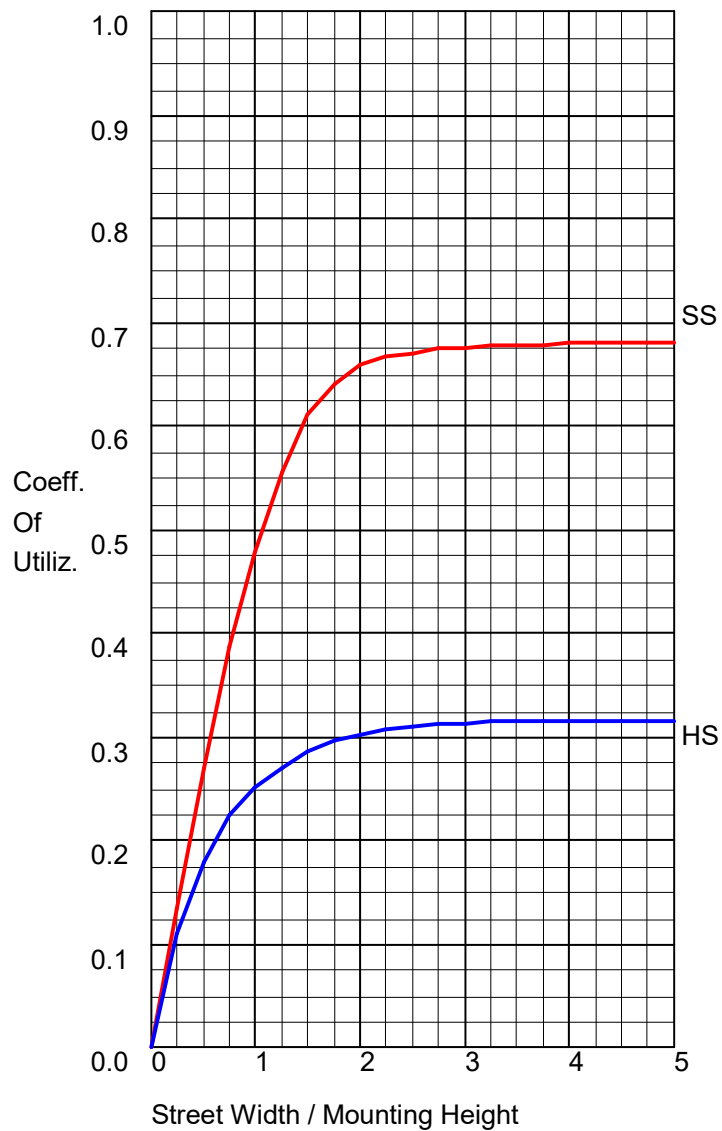
	<u>175.0</u>	<u>180.0</u>
0.0	773	773
2.5	755	756
5.0	721	723
7.5	685	687
10.0	644	642
12.5	599	597
15.0	548	548
17.5	501	501
20.0	457	456
22.5	416	416
25.0	381	380
27.5	353	352
30.0	335	335
32.5	325	325
35.0	318	318
37.5	314	315
40.0	311	312
42.5	311	312
45.0	311	312
47.5	311	312
50.0	312	314
52.5	312	315
55.0	311	313
57.5	303	304
60.0	284	285
62.5	251	254
65.0	198	198

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CANDELA TABULATION - (Cont.)

67.5	171	172
70.0	140	141
72.5	107	109
75.0	66	68
77.5	17	19
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

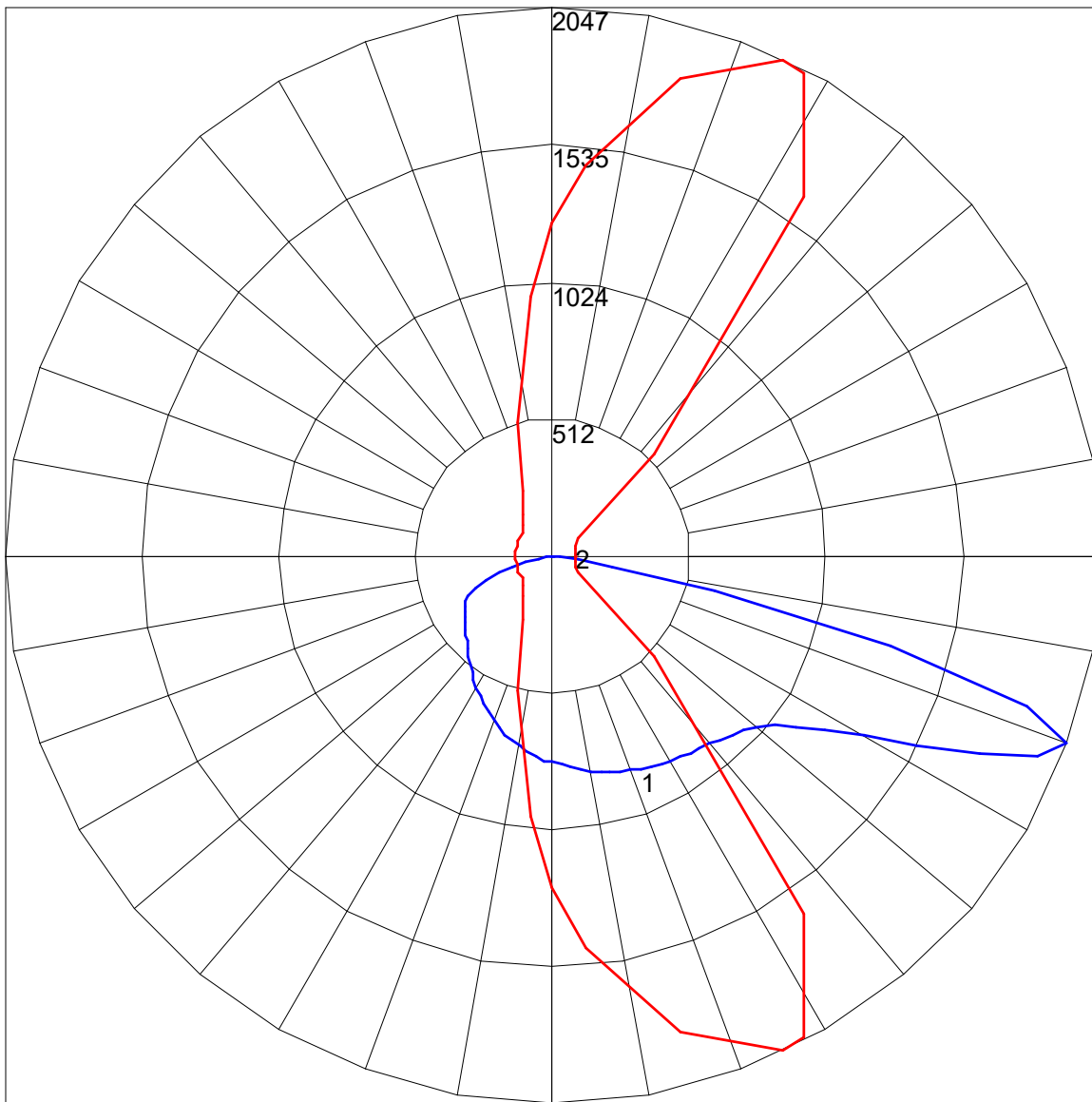
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

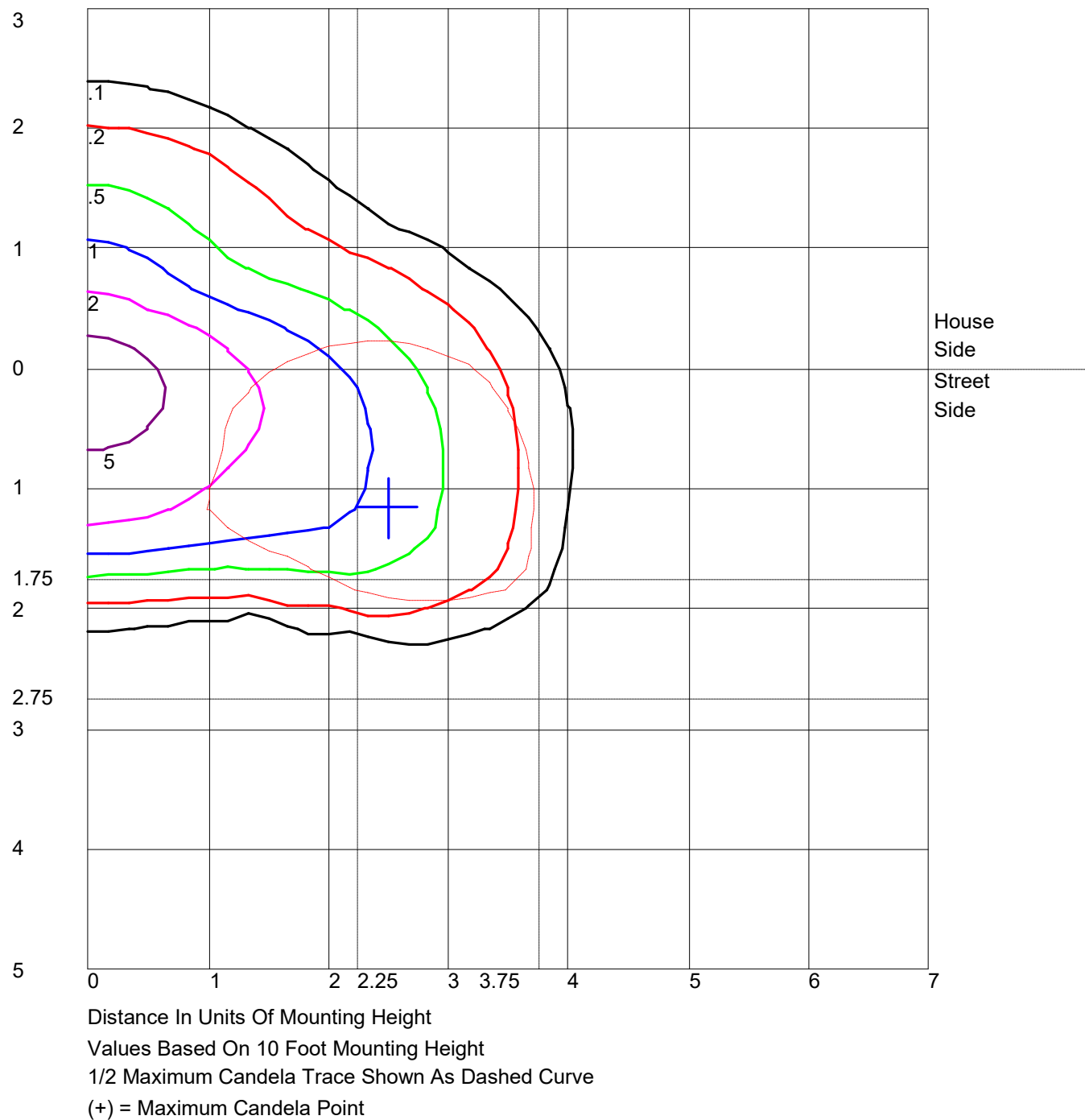
	Lumens	Percent Of Luminaire
Downward Street Side	2166.2	68.3
Downward House Side	1007.2	31.7
Downward Total	3173.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3173.4	100.0

POLAR GRAPH

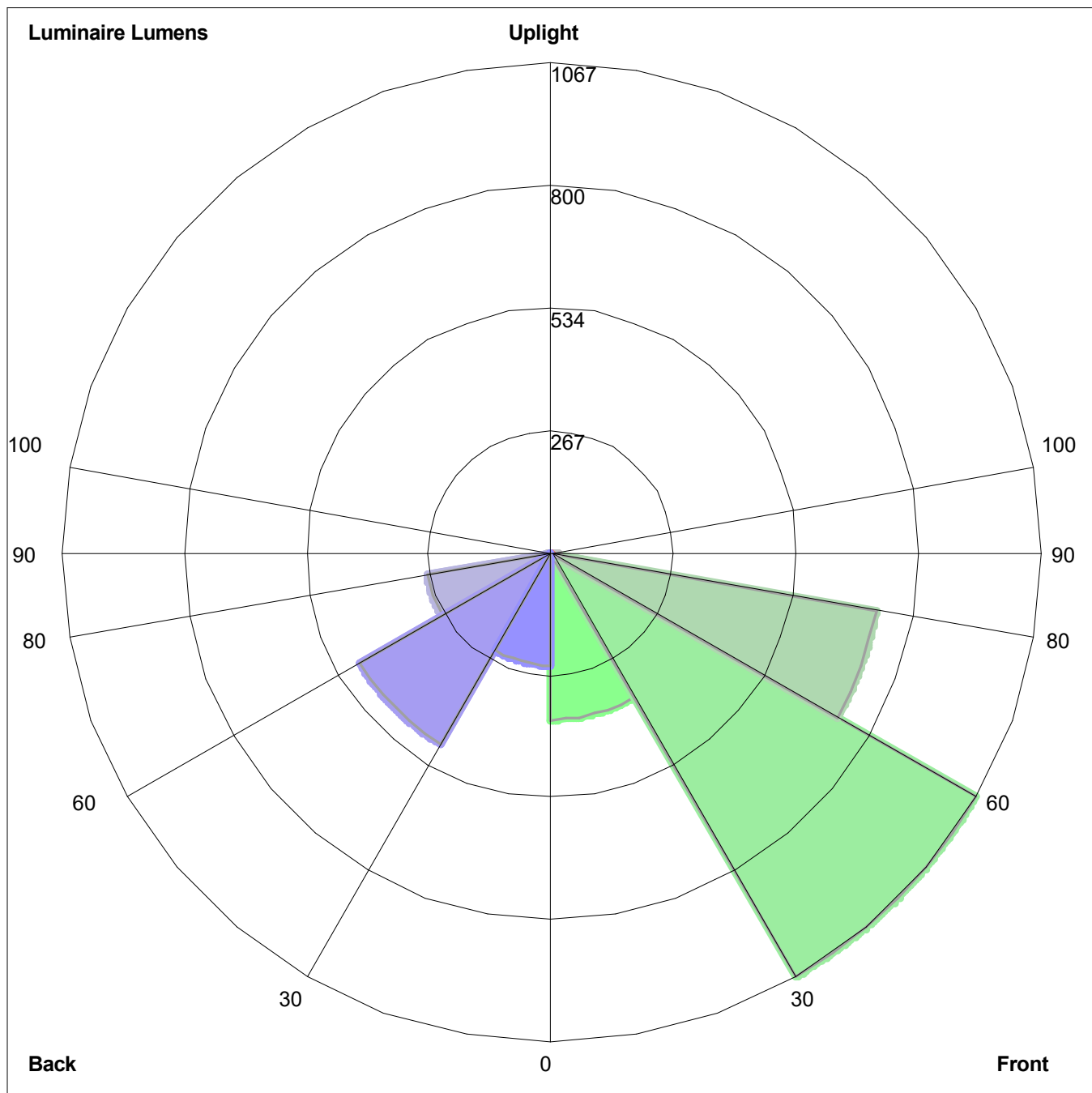


Maximum Candela = 2047 Located At Horizontal Angle = 65, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=363.7, Medium=1067.3, High=719.5, Very High=15.8
Back: Low=245.1, Medium=480.9, High=274.9, Very High=6.3
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1