



## IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-03L-3-UNV-DIM-50.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] LED-11648  
[TESTLAB] LSI INDUSTRIES, INC.  
[ISSUEDATE] 5/7/2020  
[TESTDATE] 03/27/20  
[MANUFAC] LSI INDUSTRIES, INC.  
[LUMCAT] SSW-LED-03L-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 III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3255
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2100
Maximum Candela Angle	65H 70V
Maximum Candela (<90 Degrees Vertical)	2100
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	233 (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)	373.1	N.A.	11.5
FM - Front-Medium (30-60)	1094.8	N.A.	33.6
FH - Front-High (60-80)	738.0	N.A.	22.7
FVH - Front-Very High (80-90)	16.2	N.A.	0.5
BL - Back-Low (0-30)	251.4	N.A.	7.7
BM - Back-Medium (30-60)	493.3	N.A.	15.2
BH - Back-High (60-80)	282.0	N.A.	8.7
BVH - Back-Very High (80-90)	6.5	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	3255.3	N.A.	100.0
BUG Rating	B1-U0-G1		

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**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>55.0</b></u>	<u><b>62.5</b></u>	<u><b>65.0</b></u>	<u><b>75.0</b></u>
<b>0.0</b>	793	793	793	793	793	793	793	793	793	793
<b>2.5</b>	809	812	811	810	810	806	806	801	800	799
<b>5.0</b>	836	839	838	835	834	828	824	817	815	807
<b>7.5</b>	861	864	862	858	855	847	840	831	828	816
<b>10.0</b>	883	883	881	876	873	863	855	842	838	823
<b>12.5</b>	900	901	899	895	888	878	867	854	849	830
<b>15.0</b>	913	914	913	907	903	892	879	864	859	836
<b>17.5</b>	922	923	922	918	914	904	889	873	868	842
<b>20.0</b>	924	926	926	924	922	913	900	882	876	848
<b>22.5</b>	924	926	926	925	926	919	907	890	884	855
<b>25.0</b>	926	927	927	927	928	924	915	900	892	862
<b>27.5</b>	923	925	926	926	929	927	922	908	902	869
<b>30.0</b>	918	920	921	923	928	928	926	914	909	876
<b>32.5</b>	911	913	914	917	924	928	929	920	915	882
<b>35.0</b>	908	911	910	911	919	927	932	925	921	890
<b>37.5</b>	910	912	911	908	914	924	937	932	929	901
<b>40.0</b>	913	914	914	910	913	923	940	943	941	913
<b>42.5</b>	919	920	918	914	917	924	946	955	955	929
<b>45.0</b>	936	935	929	922	925	932	955	971	974	952
<b>47.5</b>	950	950	945	938	938	948	969	992	997	982
<b>50.0</b>	950	950	951	956	960	969	993	1021	1028	1022
<b>52.5</b>	910	913	934	962	987	1002	1030	1062	1073	1078
<b>55.0</b>	795	800	848	937	1006	1050	1083	1123	1140	1158
<b>57.5</b>	604	600	681	835	1001	1107	1162	1218	1237	1274
<b>60.0</b>	373	369	447	636	915	1158	1282	1351	1384	1420
<b>62.5</b>	212	220	246	379	711	1168	1455	1554	1572	1593
<b>65.0</b>	147	150	157	193	441	1066	1631	1781	1808	1773
<b>67.5</b>	114	115	117	127	203	816	1759	1993	2013	1911
<b>70.0</b>	90	90	93	97	118	546	1677	2083	2100	1897
<b>72.5</b>	68	67	71	78	87	296	1272	1867	1912	1646
<b>75.0</b>	55	55	56	61	71	143	726	1264	1343	1133
<b>77.5</b>	44	43	45	49	53	80	291	579	633	565
<b>80.0</b>	33	32	33	35	37	59	108	216	233	232
<b>82.5</b>	21	21	21	23	24	36	46	91	98	94
<b>85.0</b>	8	8	8	9	10	14	17	31	31	27
<b>87.5</b>	1	1	0	0	1	1	2	3	2	1
<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>	793	793	793	793	793	793	793	793	793	793
<b>2.5</b>	797	798	797	791	787	784	780	780	777	780
<b>5.0</b>	801	799	795	784	773	766	756	752	746	746
<b>7.5</b>	804	800	793	776	760	746	732	722	713	711
<b>10.0</b>	807	800	790	766	745	724	705	690	677	671
<b>12.5</b>	809	800	787	756	727	700	676	654	635	626
<b>15.0</b>	811	799	783	746	710	675	643	614	591	578
<b>17.5</b>	813	799	779	735	690	647	606	573	545	529
<b>20.0</b>	815	798	775	723	671	618	569	532	500	482
<b>22.5</b>	818	798	770	711	649	588	532	490	458	440
<b>25.0</b>	821	798	767	700	628	557	498	453	420	402
<b>27.5</b>	824	799	764	688	606	528	464	418	386	371

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**CANDELA TABULATION - (Cont.)**

30.0	827	799	761	676	585	499	432	385	358	350
32.5	830	799	758	663	561	471	401	357	340	335
35.0	835	800	755	650	540	444	373	339	328	327
37.5	841	804	755	639	519	418	350	325	320	322
40.0	851	811	757	630	500	395	333	317	315	319
42.5	865	822	762	623	481	373	321	310	311	317
45.0	884	836	771	617	466	354	312	306	309	316
47.5	909	857	786	613	451	339	304	301	307	316
50.0	945	886	806	612	438	325	299	297	305	315
52.5	996	926	835	617	426	314	293	294	303	314
55.0	1065	985	873	623	413	305	287	289	299	312
57.5	1160	1060	923	633	403	295	280	282	292	305
60.0	1275	1147	982	646	393	286	270	273	280	289
62.5	1403	1240	1040	656	380	273	254	255	260	269
65.0	1520	1318	1083	650	359	252	235	230	221	204
67.5	1575	1343	1082	610	324	228	207	184	174	176
70.0	1508	1272	1002	533	274	193	167	145	144	143
72.5	1270	1083	841	427	216	155	123	114	108	109
75.0	900	766	610	295	158	101	94	82	74	70
77.5	492	448	353	177	109	69	62	47	40	26
80.0	198	185	152	92	53	39	31	27	16	4
82.5	70	66	54	40	24	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**

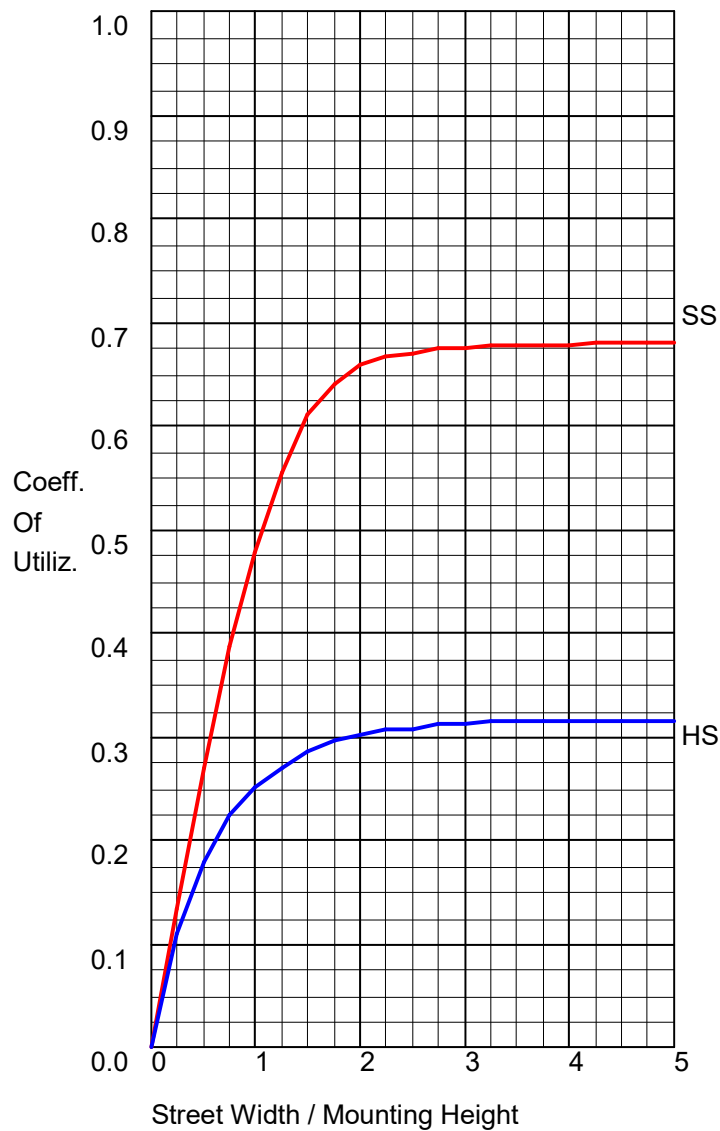
	<u>175.0</u>	<u>180.0</u>
0.0	793	793
2.5	775	776
5.0	740	742
7.5	703	705
10.0	661	659
12.5	614	612
15.0	562	562
17.5	514	514
20.0	469	468
22.5	427	427
25.0	391	390
27.5	362	361
30.0	344	344
32.5	333	333
35.0	326	326
37.5	322	323
40.0	319	320
42.5	319	320
45.0	319	320
47.5	319	320
50.0	320	322
52.5	320	323
55.0	319	321
57.5	311	312
60.0	291	292
62.5	257	261
65.0	203	203

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**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	175	176
<b>70.0</b>	144	145
<b>72.5</b>	110	112
<b>75.0</b>	68	70
<b>77.5</b>	17	19
<b>80.0</b>	0	0
<b>82.5</b>	0	0
<b>85.0</b>	0	0
<b>87.5</b>	0	0
<b>90.0</b>	0	0

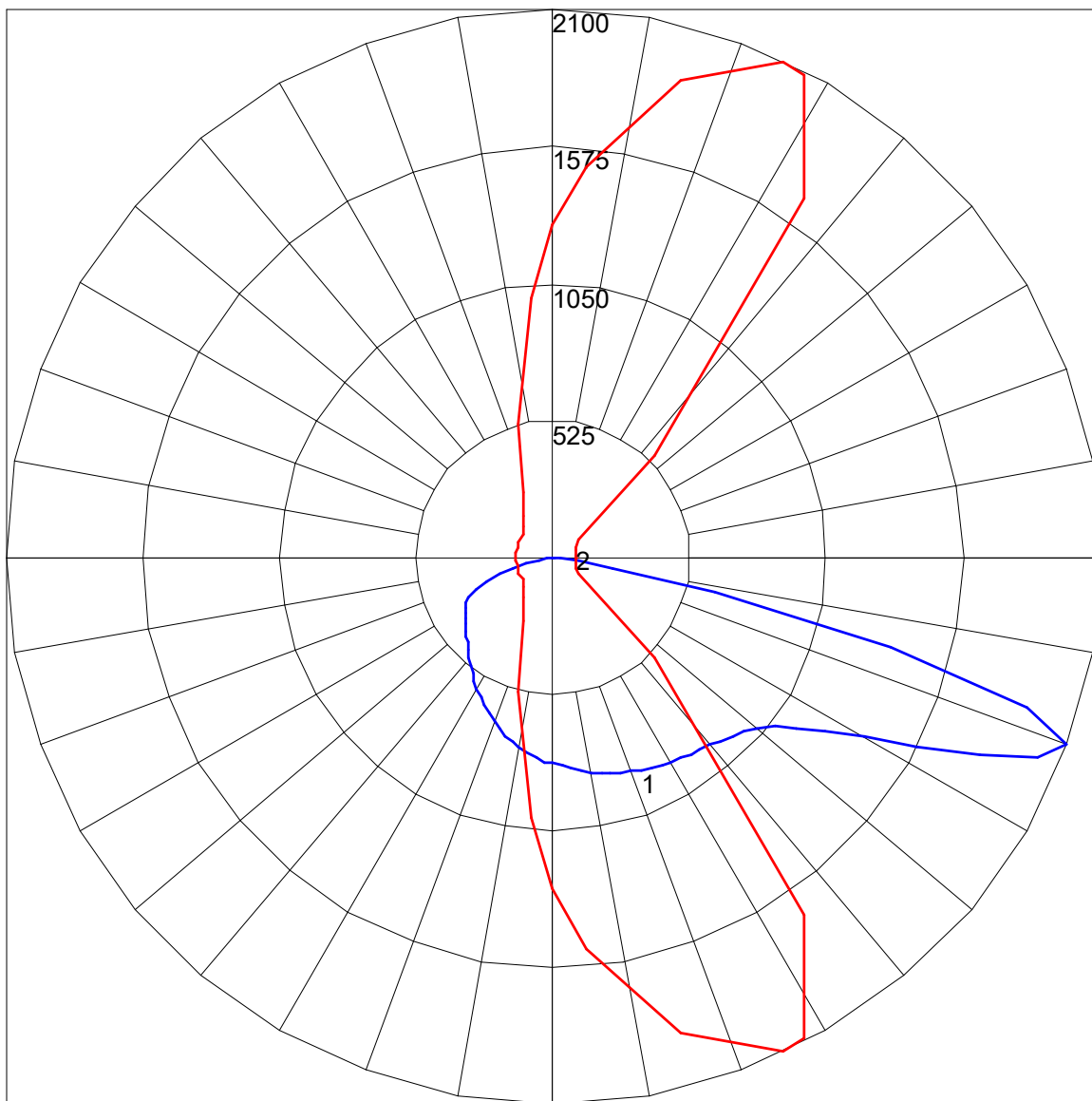
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

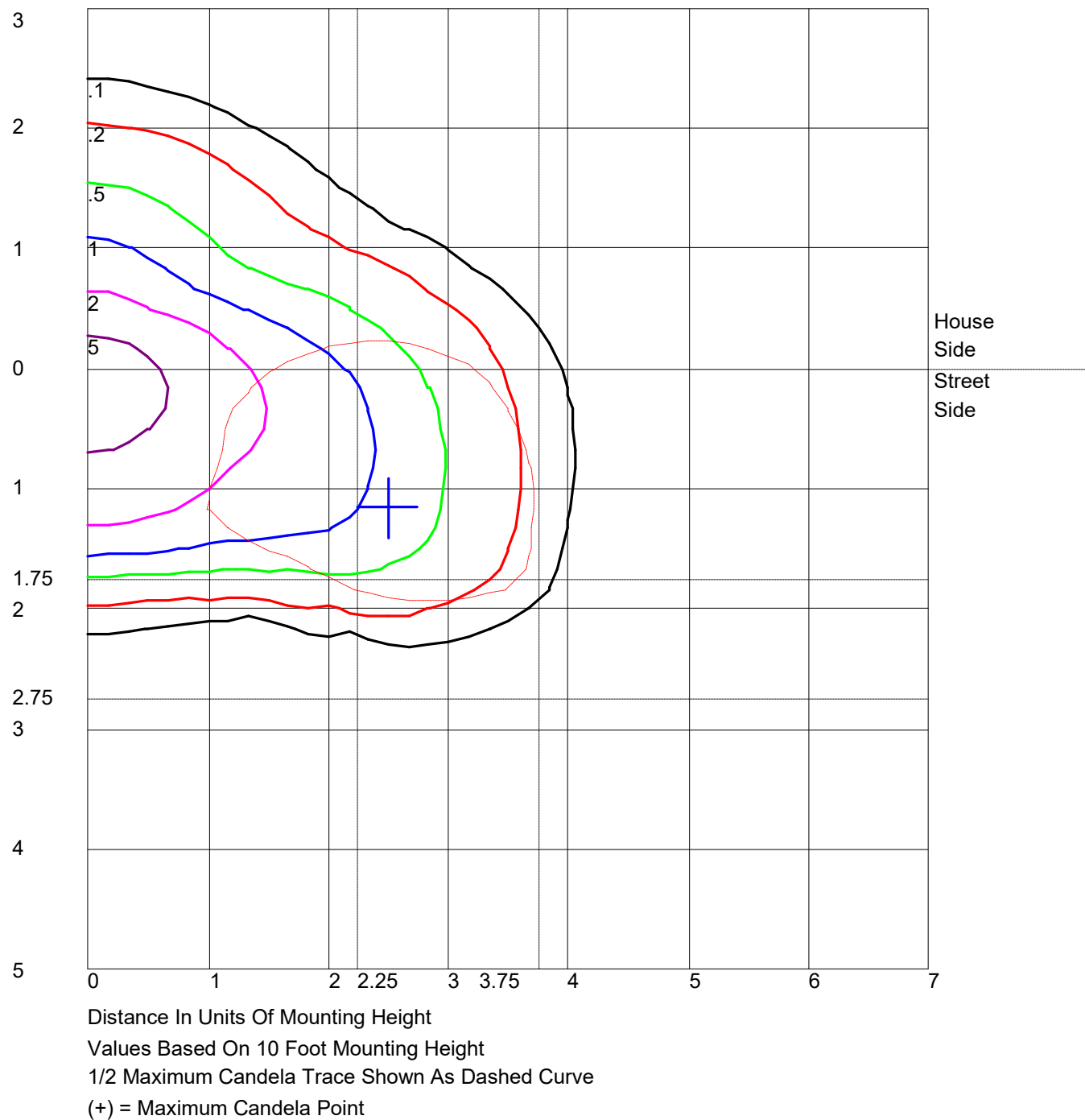
	Lumens	Percent Of Luminaire
Downward Street Side	2222.1	68.3
Downward House Side	1033.2	31.7
Downward Total	3255.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3255.3	100.0

POLAR GRAPH



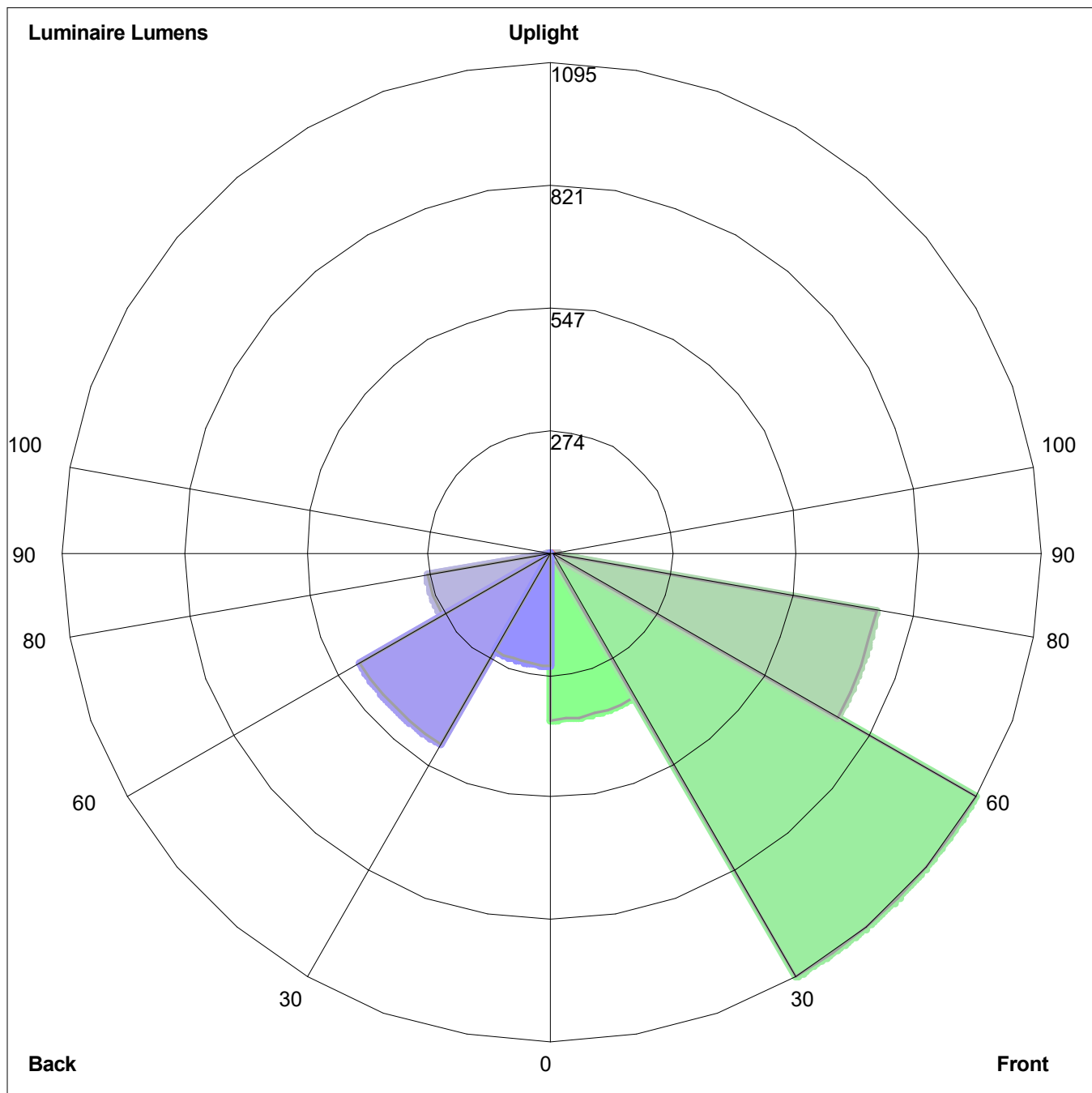
Maximum Candela = 2100 Located At Horizontal Angle = 65, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=373.1, Medium=1094.8, High=738.0, Very High=16.2  
Back: Low=251.4, Medium=493.3, High=282.0, Very High=6.5  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1