



## IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-01L-3-UNV-DIM-40.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-01L-3-UNV-DIM-40

[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	1523
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	983
Maximum Candela Angle	65H 70V
Maximum Candela (<90 Degrees Vertical)	983
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	109 (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)	174.6	N.A.	11.5
FM - Front-Medium (30-60)	512.3	N.A.	33.6
FH - Front-High (60-80)	345.3	N.A.	22.7
FVH - Front-Very High (80-90)	7.5	N.A.	0.5
BL - Back-Low (0-30)	117.6	N.A.	7.7
BM - Back-Medium (30-60)	230.8	N.A.	15.2
BH - Back-High (60-80)	132.0	N.A.	8.7
BVH - Back-Very High (80-90)	3.0	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	1523.1	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>	371	371	371	371	371	371	371	371	371	371
<b>2.5</b>	379	380	380	379	379	377	377	375	374	374
<b>5.0</b>	391	393	392	391	390	387	385	382	381	378
<b>7.5</b>	403	404	403	401	400	396	393	389	387	382
<b>10.0</b>	413	413	412	410	408	404	400	394	392	385
<b>12.5</b>	421	421	420	419	416	411	406	399	397	388
<b>15.0</b>	427	428	427	424	422	418	411	404	402	391
<b>17.5</b>	432	432	432	430	428	423	416	408	406	394
<b>20.0</b>	432	433	433	432	432	427	421	413	410	397
<b>22.5</b>	432	433	433	433	433	430	424	417	414	400
<b>25.0</b>	433	434	434	434	434	432	428	421	418	403
<b>27.5</b>	432	433	433	433	435	434	432	425	422	407
<b>30.0</b>	430	431	431	432	434	434	433	428	425	410
<b>32.5</b>	426	427	428	429	432	434	435	431	428	413
<b>35.0</b>	425	426	426	426	430	434	436	433	431	417
<b>37.5</b>	426	427	426	425	428	432	438	436	435	421
<b>40.0</b>	427	428	428	426	427	432	440	441	440	427
<b>42.5</b>	430	431	430	428	429	432	443	447	447	435
<b>45.0</b>	438	437	435	432	433	436	447	455	456	445
<b>47.5</b>	444	444	442	439	439	444	454	464	467	459
<b>50.0</b>	444	444	445	447	449	454	465	478	481	478
<b>52.5</b>	426	427	437	450	462	469	482	497	502	504
<b>55.0</b>	372	374	397	438	471	492	507	526	533	542
<b>57.5</b>	283	281	319	391	468	518	544	570	579	596
<b>60.0</b>	175	173	209	298	428	542	600	632	648	664
<b>62.5</b>	99	103	115	177	333	547	681	727	735	745
<b>65.0</b>	69	70	73	90	206	499	763	833	846	829
<b>67.5</b>	53	54	55	60	95	382	823	933	942	894
<b>70.0</b>	42	42	44	46	55	255	785	975	983	887
<b>72.5</b>	32	31	33	36	41	139	595	874	895	770
<b>75.0</b>	26	26	26	28	33	67	340	591	628	530
<b>77.5</b>	21	20	21	23	25	37	136	271	296	264
<b>80.0</b>	15	15	15	16	17	28	50	101	109	108
<b>82.5</b>	10	10	10	11	11	17	22	43	46	44
<b>85.0</b>	4	4	4	4	5	7	8	14	14	12
<b>87.5</b>	0	0	0	0	0	0	1	1	1	0
<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>	371	371	371	371	371	371	371	371	371	371
<b>2.5</b>	373	373	373	370	368	367	365	365	363	365
<b>5.0</b>	375	374	372	367	362	359	354	352	349	349
<b>7.5</b>	376	374	371	363	356	349	343	338	334	333
<b>10.0</b>	378	374	370	359	348	339	330	323	317	314
<b>12.5</b>	379	374	368	354	340	327	316	306	297	293
<b>15.0</b>	380	374	366	349	332	316	301	288	276	270
<b>17.5</b>	381	374	364	344	323	303	284	268	255	248
<b>20.0</b>	381	373	362	338	314	289	266	249	234	226
<b>22.5</b>	383	373	360	333	304	275	249	229	214	206
<b>25.0</b>	384	373	359	327	294	261	233	212	196	188
<b>27.5</b>	385	374	358	322	284	247	217	195	180	174

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**CANDELA TABULATION - (Cont.)**

30.0	387	374	356	316	274	233	202	180	168	164
32.5	388	374	355	310	263	220	188	167	159	157
35.0	391	374	353	304	252	208	175	158	154	153
37.5	394	376	353	299	243	195	164	152	150	151
40.0	398	380	354	295	234	185	156	148	147	149
42.5	405	384	357	291	225	175	150	145	145	148
45.0	414	391	361	288	218	166	146	143	144	148
47.5	425	401	368	287	211	158	142	141	144	148
50.0	442	415	377	287	205	152	140	139	143	147
52.5	466	433	391	288	199	147	137	138	142	147
55.0	498	461	408	291	193	143	134	135	140	146
57.5	543	496	432	296	189	138	131	132	137	143
60.0	597	537	459	302	184	134	126	128	131	135
62.5	657	580	487	307	178	128	119	120	121	126
65.0	711	617	507	304	168	118	110	108	103	96
67.5	737	628	506	286	152	107	97	86	82	83
70.0	706	595	469	250	128	90	78	68	67	67
72.5	594	507	394	200	101	72	58	53	50	51
75.0	421	359	286	138	74	47	44	38	35	33
77.5	230	210	165	83	51	32	29	22	19	12
80.0	93	86	71	43	25	18	14	12	8	2
82.5	33	31	25	19	11	8	6	6	4	1
85.0	8	8	6	5	3	2	1	1	0	0
87.5	0	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

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

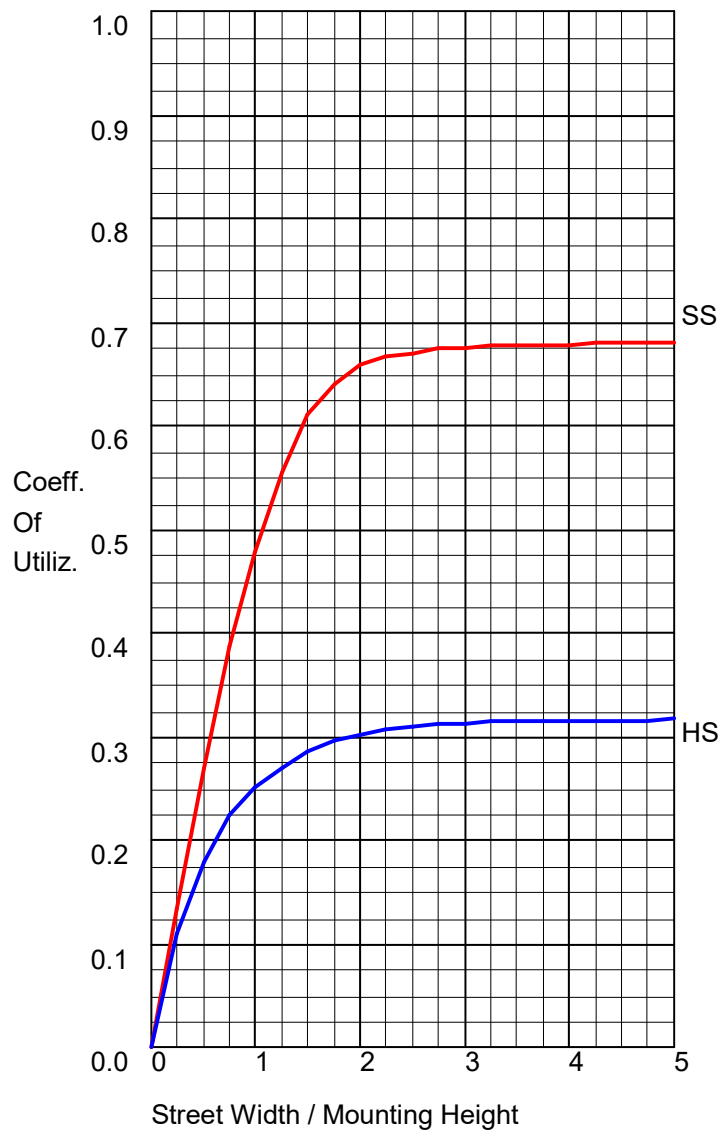
	<b><u>175.0</u></b>	<b><u>180.0</u></b>
0.0	371	371
2.5	362	363
5.0	346	347
7.5	329	330
10.0	309	308
12.5	288	287
15.0	263	263
17.5	240	240
20.0	219	219
22.5	200	200
25.0	183	182
27.5	169	169
30.0	161	161
32.5	156	156
35.0	153	153
37.5	151	151
40.0	149	150
42.5	149	150
45.0	149	150
47.5	149	150
50.0	150	151
52.5	150	151
55.0	149	150
57.5	145	146
60.0	136	137
62.5	120	122
65.0	95	95

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**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	82	83
<b>70.0</b>	67	68
<b>72.5</b>	51	52
<b>75.0</b>	32	33
<b>77.5</b>	8	9
<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

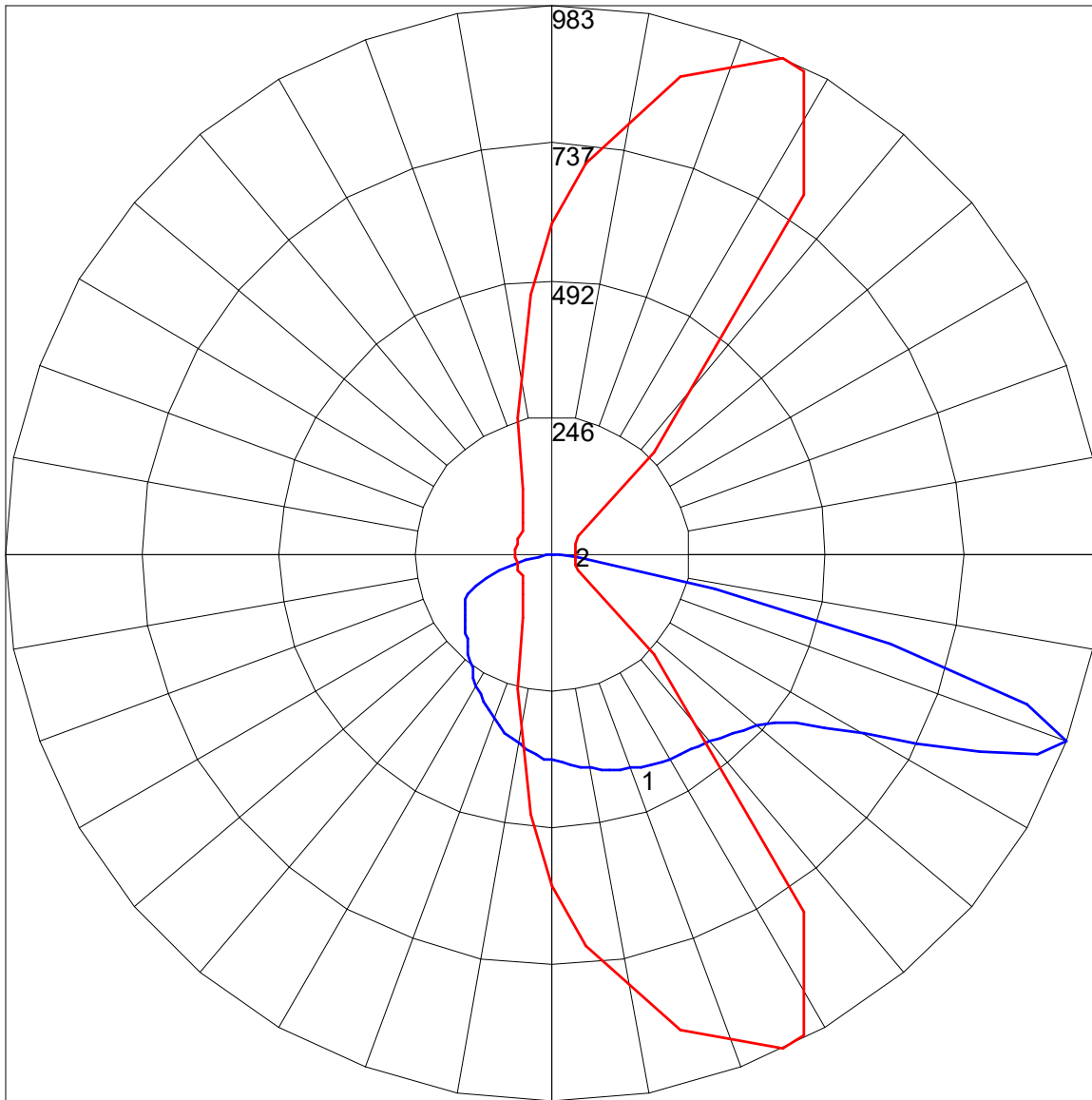
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

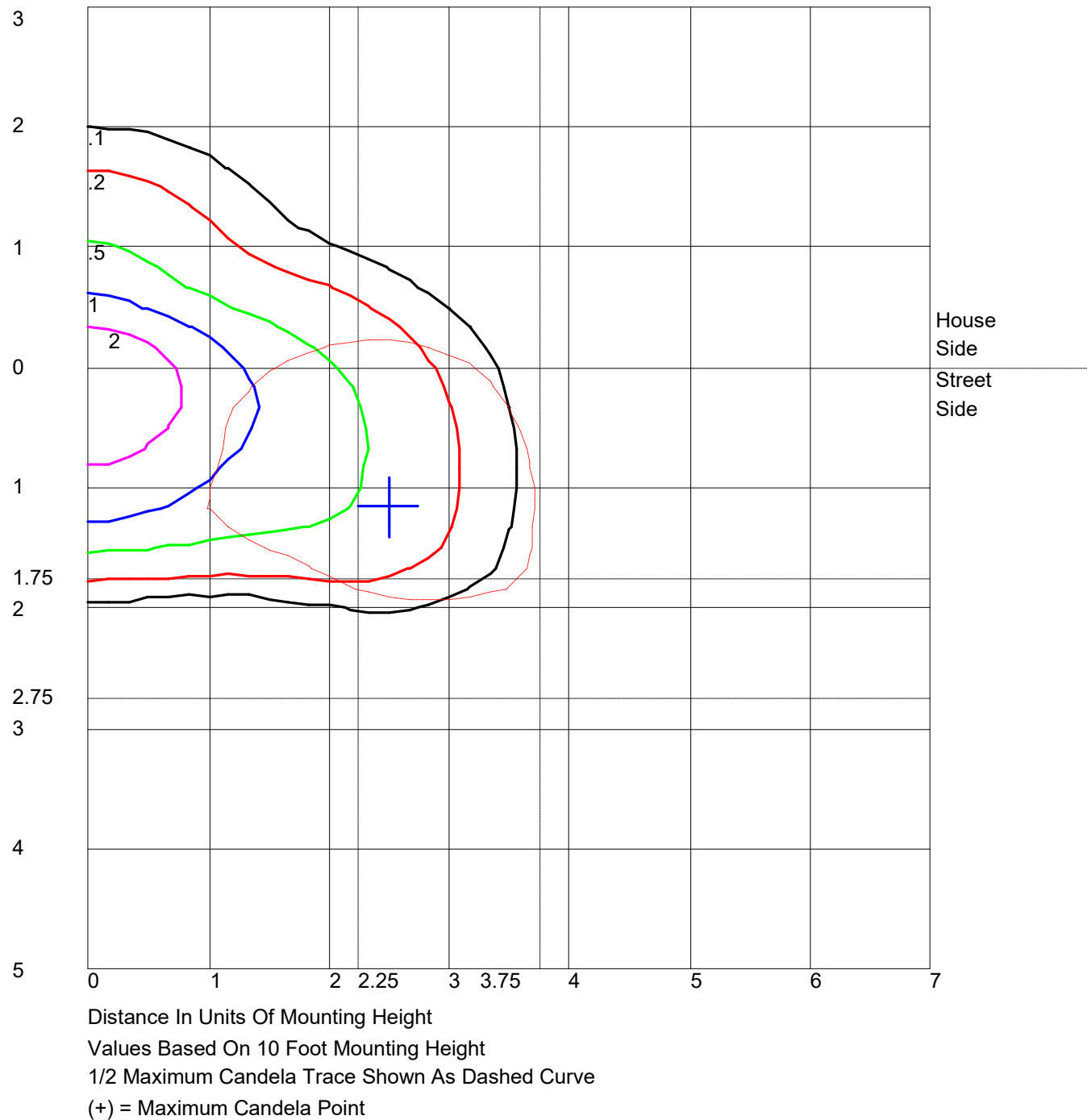
	Lumens	Percent Of Luminaire
Downward Street Side	1039.7	68.3
Downward House Side	483.4	31.7
Downward Total	1523.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1523.1	100.0

POLAR GRAPH



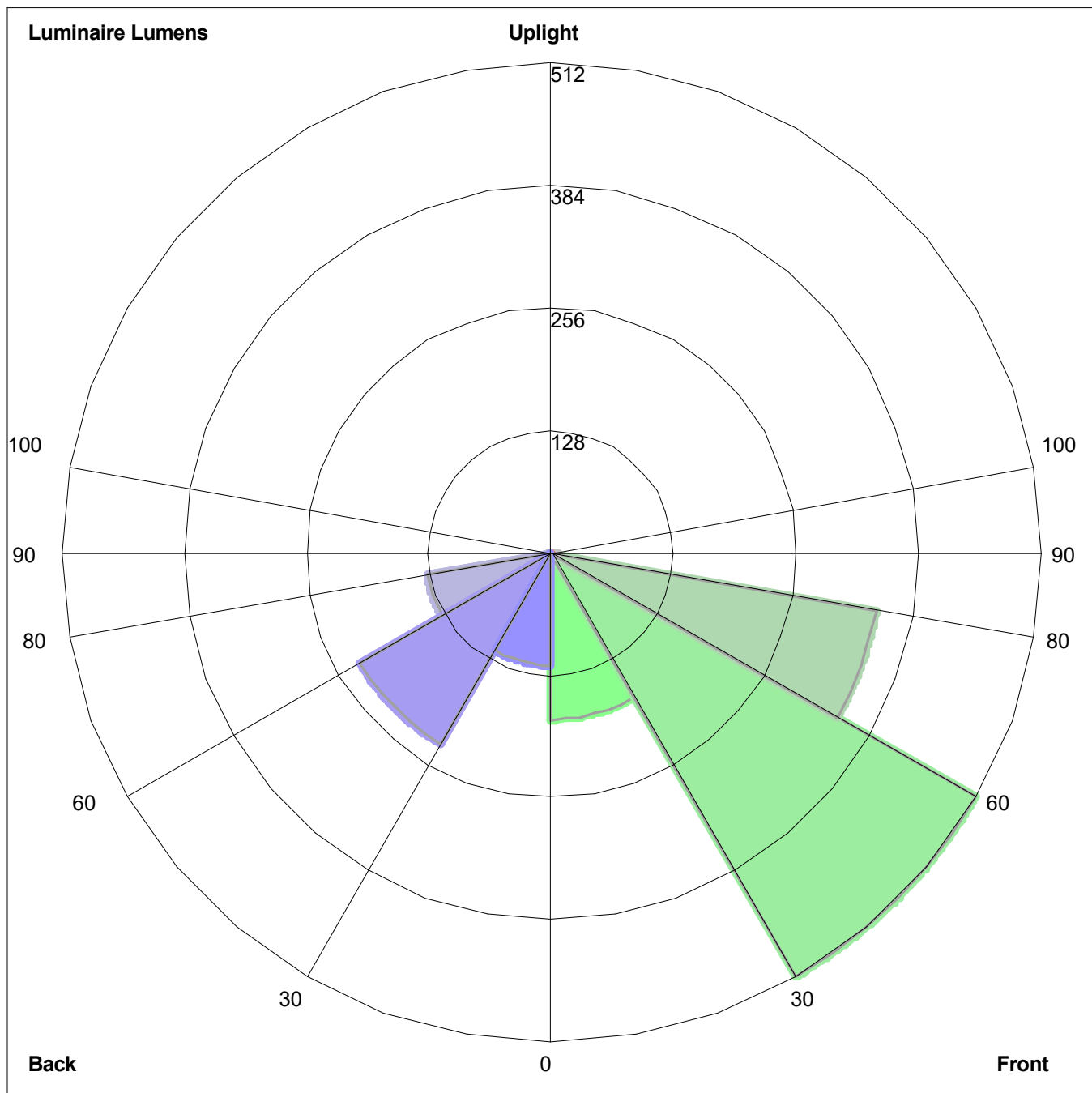
Maximum Candela = 983 Located At Horizontal Angle = 65, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=174.6, Medium=512.3, High=345.3, Very High=7.5  
Back: Low=117.6, Medium=230.8, High=132.0, Very High=3.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1