



IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-01L-3-UNV-DIM-50.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-01L-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	1563
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1008
Maximum Candela Angle	65H 70V
Maximum Candela (<90 Degrees Vertical)	1008
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	112 (7.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT
PHOTOMETRIC FILENAME : SSW-LED-01L-3-UNV-DIM-50.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	179.2	N.A.	11.5
FM - Front-Medium (30-60)	525.7	N.A.	33.6
FH - Front-High (60-80)	354.4	N.A.	22.7
FVH - Front-Very High (80-90)	7.7	N.A.	0.5
BL - Back-Low (0-30)	120.7	N.A.	7.7
BM - Back-Medium (30-60)	236.9	N.A.	15.2
BH - Back-High (60-80)	135.4	N.A.	8.7
BVH - Back-Very High (80-90)	3.1	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	1563.1	N.A.	100.0
BUG Rating	B1-U0-G1		

IES ROAD REPORT
PHOTOMETRIC FILENAME : SSW-LED-01L-3-UNV-DIM-50.IES

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	381	381	381	381	381	381	381	381	381	381
2.5	389	390	390	389	389	387	387	385	384	384
5.0	401	403	402	401	400	398	396	392	391	388
7.5	413	415	414	412	410	407	403	399	398	392
10.0	424	424	423	421	419	414	410	404	402	395
12.5	432	432	432	430	427	422	416	410	408	399
15.0	438	439	438	435	433	429	422	415	412	401
17.5	443	443	443	441	439	434	427	419	417	404
20.0	444	445	445	444	443	438	432	424	421	407
22.5	444	445	445	444	445	441	435	428	425	410
25.0	445	445	445	445	446	444	439	432	429	414
27.5	443	444	445	445	446	445	443	436	433	417
30.0	441	442	442	443	446	446	445	439	436	421
32.5	437	438	439	440	444	446	446	442	439	424
35.0	436	437	437	437	441	445	448	444	442	428
37.5	437	438	437	436	439	444	450	448	446	432
40.0	438	439	439	437	438	443	451	453	452	438
42.5	441	442	441	439	440	444	454	459	459	446
45.0	449	449	446	443	444	448	459	466	467	457
47.5	456	456	454	450	450	455	466	476	479	471
50.0	456	456	457	459	461	466	477	490	494	491
52.5	437	438	448	462	474	481	495	510	515	518
55.0	382	384	407	450	483	504	520	539	547	556
57.5	290	288	327	401	481	532	558	585	594	612
60.0	179	177	215	305	439	556	616	649	665	682
62.5	102	105	118	182	341	561	698	746	755	765
65.0	70	72	75	93	212	512	783	855	868	851
67.5	55	55	56	61	98	392	845	957	966	918
70.0	43	43	45	47	57	262	805	1000	1008	911
72.5	33	32	34	37	42	142	611	897	918	791
75.0	27	27	27	29	34	68	349	607	645	544
77.5	21	21	22	24	26	38	140	278	304	271
80.0	16	15	16	17	18	29	52	104	112	111
82.5	10	10	10	11	11	17	22	44	47	45
85.0	4	4	4	4	5	7	8	15	15	13
87.5	0	0	0	0	0	0	1	1	1	0
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	381	381	381	381	381	381	381	381	381	381
2.5	383	383	383	380	378	376	374	374	373	374
5.0	385	384	382	376	371	368	363	361	358	358
7.5	386	384	381	372	365	358	352	347	342	341
10.0	388	384	379	368	358	348	338	332	325	322
12.5	389	384	378	363	349	336	325	314	305	300
15.0	390	384	376	358	341	324	309	295	284	277
17.5	391	384	374	353	332	311	291	275	262	254
20.0	391	383	372	347	322	297	273	256	240	232
22.5	393	383	370	341	312	282	256	235	220	211
25.0	394	383	368	336	301	267	239	218	201	193
27.5	396	384	367	331	291	254	223	200	185	178

IES ROAD REPORT
PHOTOMETRIC FILENAME : SSW-LED-01L-3-UNV-DIM-50.IES

CANDELA TABULATION - (Cont.)

30.0	397	384	366	325	281	239	207	185	172	168
32.5	399	384	364	318	269	226	193	171	163	161
35.0	401	384	363	312	259	213	179	163	158	157
37.5	404	386	363	307	249	200	168	156	154	155
40.0	409	390	364	302	240	190	160	152	151	153
42.5	415	395	366	299	231	179	154	149	149	152
45.0	425	401	370	296	224	170	150	147	148	152
47.5	436	411	377	295	217	163	146	144	147	152
50.0	454	426	387	294	210	156	143	143	146	151
52.5	478	445	401	296	204	151	141	141	145	151
55.0	511	473	419	299	199	146	138	139	143	150
57.5	557	509	443	304	194	142	134	135	140	146
60.0	612	551	471	310	189	137	130	131	134	139
62.5	674	596	499	315	182	131	122	123	125	129
65.0	730	633	520	312	172	121	113	110	106	98
67.5	756	645	520	293	156	109	100	88	84	85
70.0	724	611	481	256	132	93	80	69	69	68
72.5	610	520	404	205	104	74	59	55	52	52
75.0	432	368	293	142	76	48	45	39	35	33
77.5	236	215	169	85	52	33	30	23	19	12
80.0	95	89	73	44	26	19	15	13	8	2
82.5	33	32	26	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

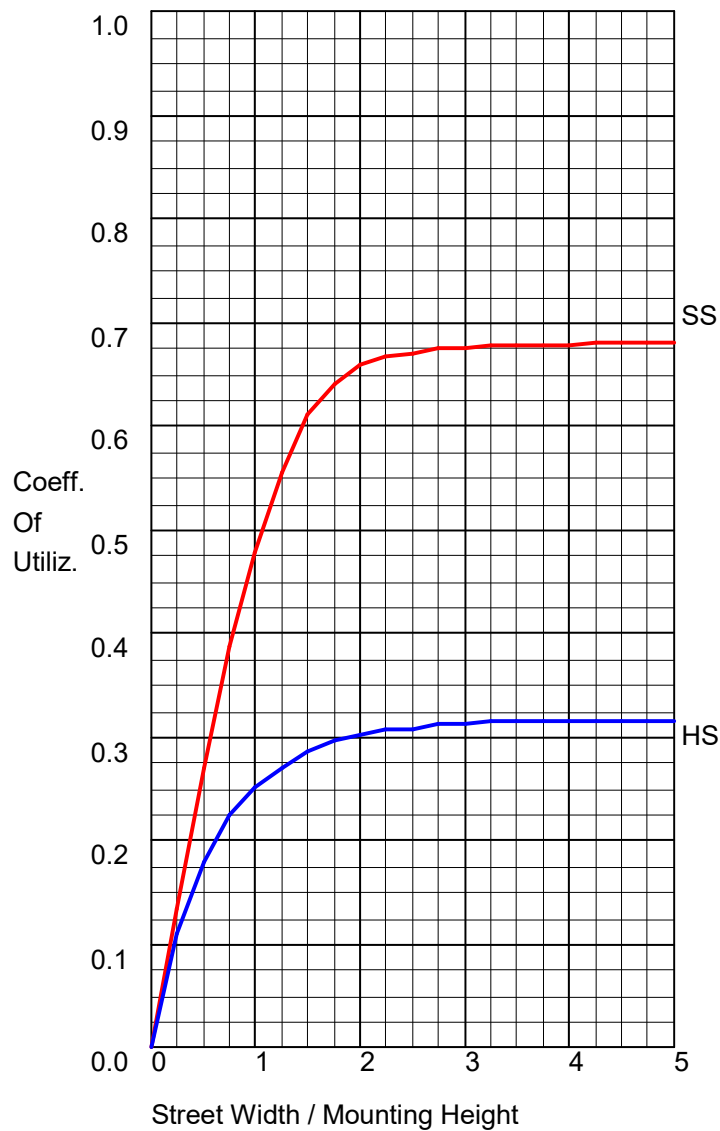
	<u>175.0</u>	<u>180.0</u>
0.0	381	381
2.5	372	372
5.0	355	356
7.5	337	338
10.0	317	316
12.5	295	294
15.0	270	270
17.5	247	247
20.0	225	225
22.5	205	205
25.0	188	187
27.5	174	173
30.0	165	165
32.5	160	160
35.0	157	157
37.5	155	155
40.0	153	154
42.5	153	154
45.0	153	154
47.5	153	154
50.0	154	155
52.5	154	155
55.0	153	154
57.5	149	150
60.0	140	140
62.5	124	125
65.0	98	98

IES ROAD REPORT
PHOTOMETRIC FILENAME : SSW-LED-01L-3-UNV-DIM-50.IES

CANDELA TABULATION - (Cont.)

67.5	84	85
70.0	69	69
72.5	53	54
75.0	33	33
77.5	8	9
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

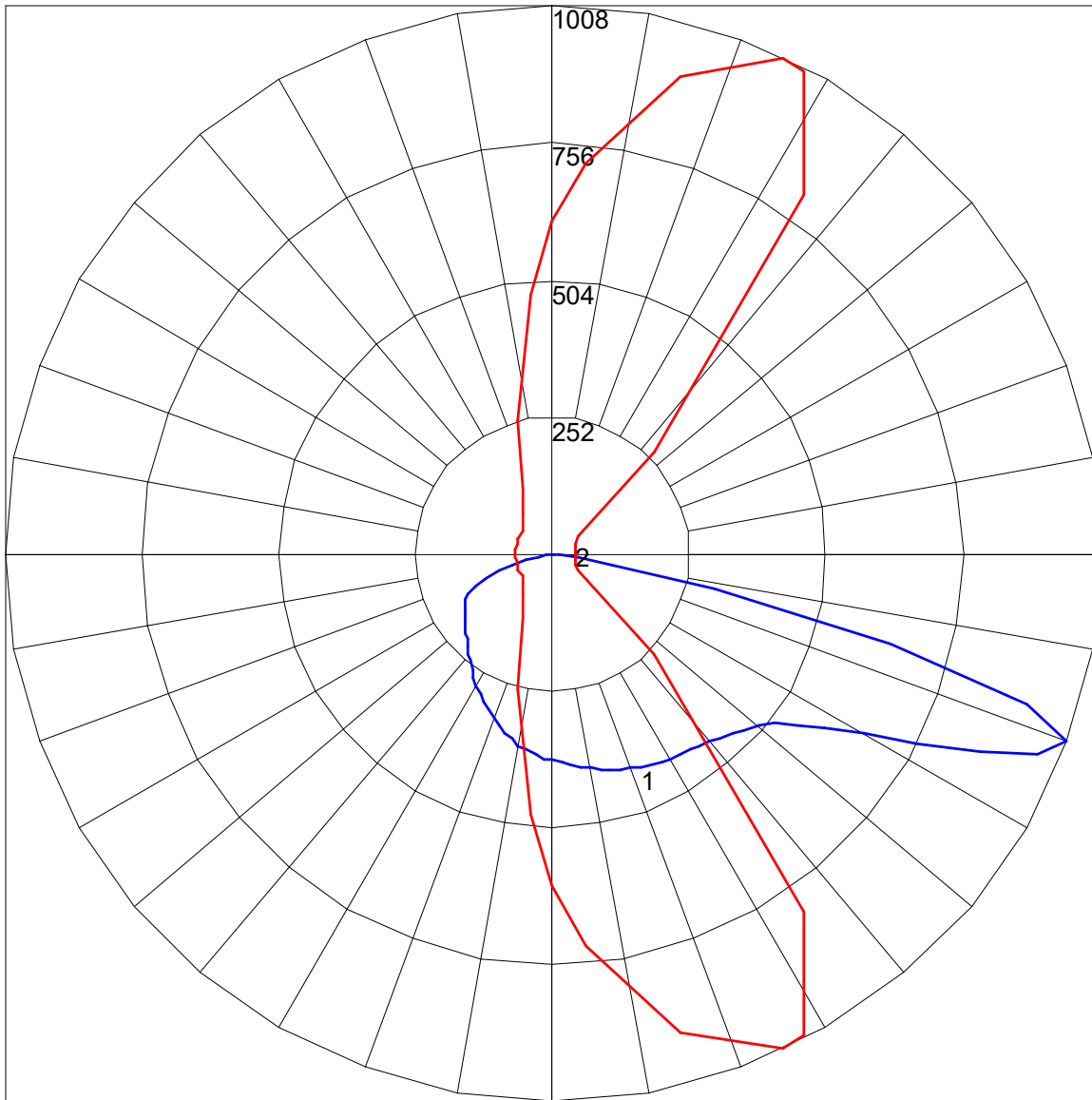
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

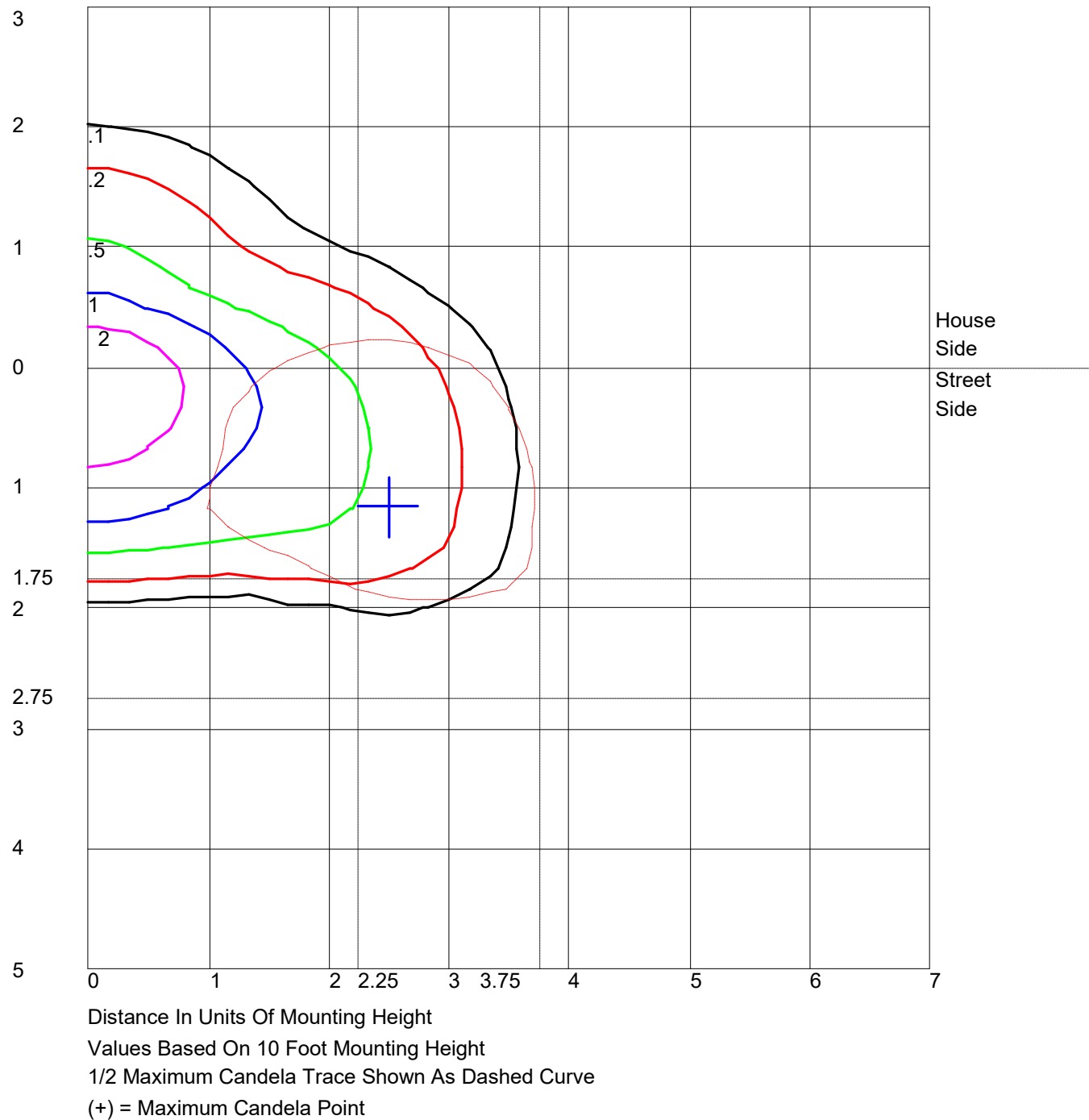
	Lumens	Percent Of Luminaire
Downward Street Side	1067.0	68.3
Downward House Side	496.0	31.7
Downward Total	1563.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1563.0	100.0

POLAR GRAPH

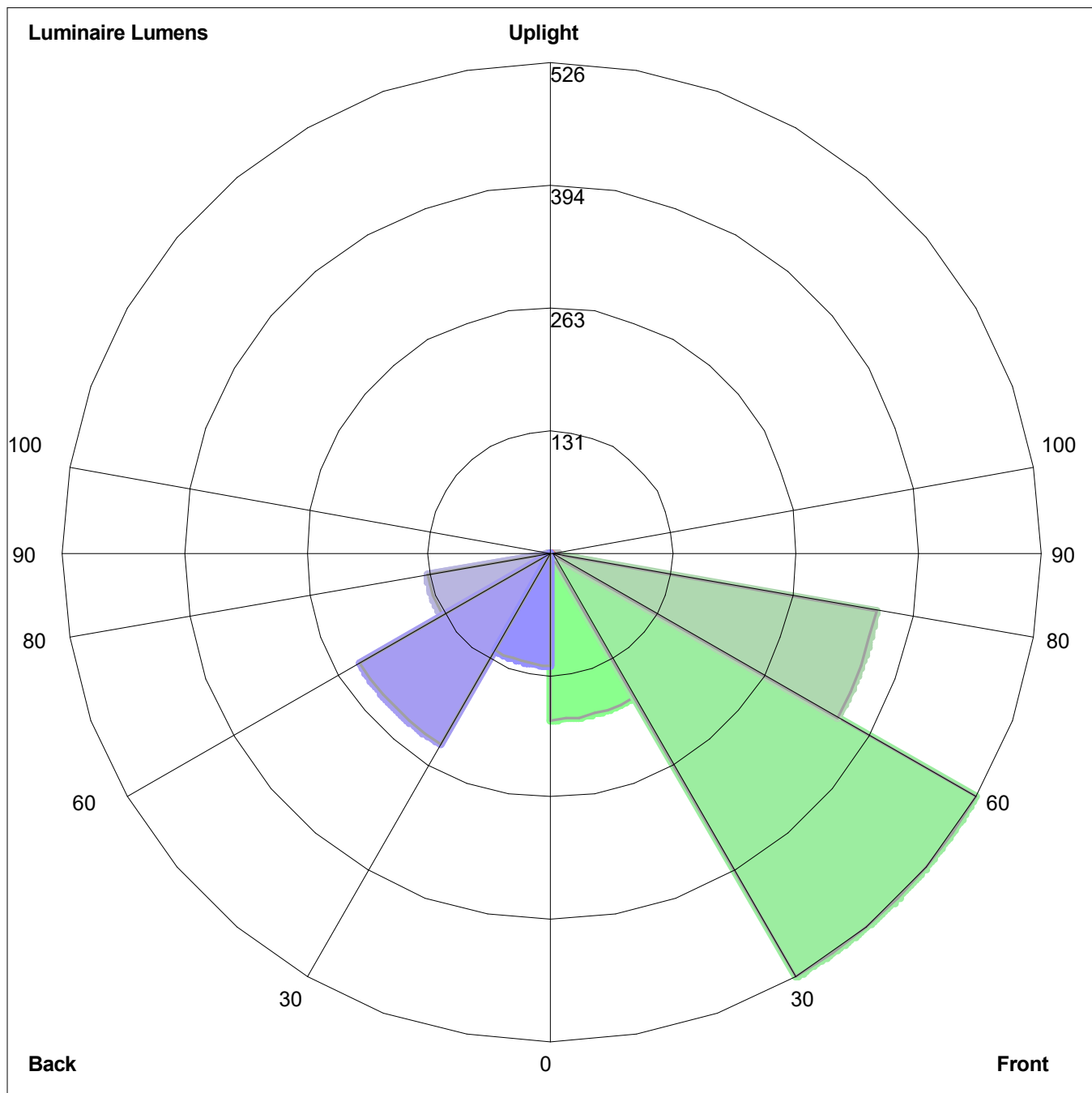


Maximum Candela = 1008 Located At Horizontal Angle = 65, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=179.2, Medium=525.7, High=354.4, Very High=7.7
Back: Low=120.7, Medium=236.9, High=135.4, Very High=3.1
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1