



IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-01L-3-UNV-DIM-30.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-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 III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1478
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	954
Maximum Candela Angle	65H 70V
Maximum Candela (<90 Degrees Vertical)	954
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	106 (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)	169.4	N.A.	11.5
FM - Front-Medium (30-60)	497.2	N.A.	33.6
FH - Front-High (60-80)	335.2	N.A.	22.7
FVH - Front-Very High (80-90)	7.3	N.A.	0.5
BL - Back-Low (0-30)	114.2	N.A.	7.7
BM - Back-Medium (30-60)	224.0	N.A.	15.2
BH - Back-High (60-80)	128.0	N.A.	8.7
BVH - Back-Very High (80-90)	2.9	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	1478.2	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	360	360	360	360	360	360	360	360	360	360
2.5	368	369	368	368	368	366	366	364	363	363
5.0	380	381	381	379	379	376	374	371	370	367
7.5	391	392	391	389	388	385	381	377	376	370
10.0	401	401	400	398	396	392	388	382	381	374
12.5	409	409	408	406	403	399	394	388	386	377
15.0	415	415	415	412	410	405	399	392	390	380
17.5	419	419	419	417	415	410	404	396	394	382
20.0	420	421	421	420	419	415	409	401	398	385
22.5	420	421	421	420	421	417	412	404	402	388
25.0	421	421	421	421	422	420	415	409	405	391
27.5	419	420	421	421	422	421	419	412	409	395
30.0	417	418	418	419	422	422	421	415	413	398
32.5	414	415	415	416	420	422	422	418	415	401
35.0	412	414	413	414	417	421	423	420	418	404
37.5	413	414	414	412	415	420	425	423	422	409
40.0	415	415	415	413	415	419	427	428	427	415
42.5	417	418	417	415	416	420	429	434	434	422
45.0	425	424	422	419	420	423	434	441	442	432
47.5	431	431	429	426	426	430	440	450	453	446
50.0	431	431	432	434	436	440	451	463	467	464
52.5	413	415	424	437	448	455	468	482	487	490
55.0	361	363	385	425	457	477	492	510	518	526
57.5	274	272	309	379	455	503	528	553	562	579
60.0	170	168	203	289	415	526	582	613	628	645
62.5	96	100	112	172	323	531	661	706	714	723
65.0	67	68	71	88	200	484	741	809	821	805
67.5	52	52	53	58	92	370	799	905	914	868
70.0	41	41	42	44	54	248	762	946	954	861
72.5	31	30	32	35	40	135	578	848	868	748
75.0	25	25	26	27	32	65	330	574	610	514
77.5	20	20	20	22	24	36	132	263	287	257
80.0	15	14	15	16	17	27	49	98	106	105
82.5	9	9	9	10	11	16	21	41	45	43
85.0	4	4	4	4	5	7	8	14	14	12
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	360	360	360	360	360	360	360	360	360	360
2.5	362	362	362	359	357	356	354	354	353	354
5.0	364	363	361	356	351	348	343	341	339	339
7.5	365	363	360	352	345	339	333	328	324	323
10.0	367	363	359	348	338	329	320	313	307	305
12.5	368	363	357	343	330	318	307	297	288	284
15.0	368	363	355	339	322	306	292	279	268	262
17.5	369	363	354	334	313	294	275	260	247	240
20.0	370	362	352	328	305	280	259	242	227	219
22.5	371	362	350	323	295	267	242	223	208	200
25.0	373	362	348	318	285	253	226	206	191	183
27.5	374	363	347	313	275	240	211	190	175	169

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CANDELA TABULATION - (Cont.)

30.0	375	363	346	307	266	226	196	175	163	159
32.5	377	363	344	301	255	214	182	162	154	152
35.0	379	363	343	295	245	202	170	154	149	149
37.5	382	365	343	290	236	190	159	148	145	146
40.0	387	368	344	286	227	179	151	144	143	145
42.5	393	373	346	283	218	170	146	141	141	144
45.0	402	380	350	280	211	161	142	139	140	143
47.5	413	389	357	279	205	154	138	136	139	143
50.0	429	402	366	278	199	148	136	135	138	143
52.5	452	421	379	280	193	143	133	134	137	143
55.0	484	447	396	283	188	138	130	131	136	142
57.5	527	481	419	287	183	134	127	128	133	138
60.0	579	521	446	293	178	130	123	124	127	131
62.5	637	563	472	298	172	124	116	116	118	122
65.0	690	599	492	295	163	115	107	104	100	93
67.5	715	610	491	277	147	103	94	83	79	80
70.0	685	578	455	242	124	88	76	66	65	65
72.5	577	492	382	194	98	70	56	52	49	49
75.0	409	348	277	134	72	46	43	37	34	32
77.5	224	204	160	81	49	31	28	21	18	12
80.0	90	84	69	42	24	18	14	12	7	2
82.5	32	30	25	18	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

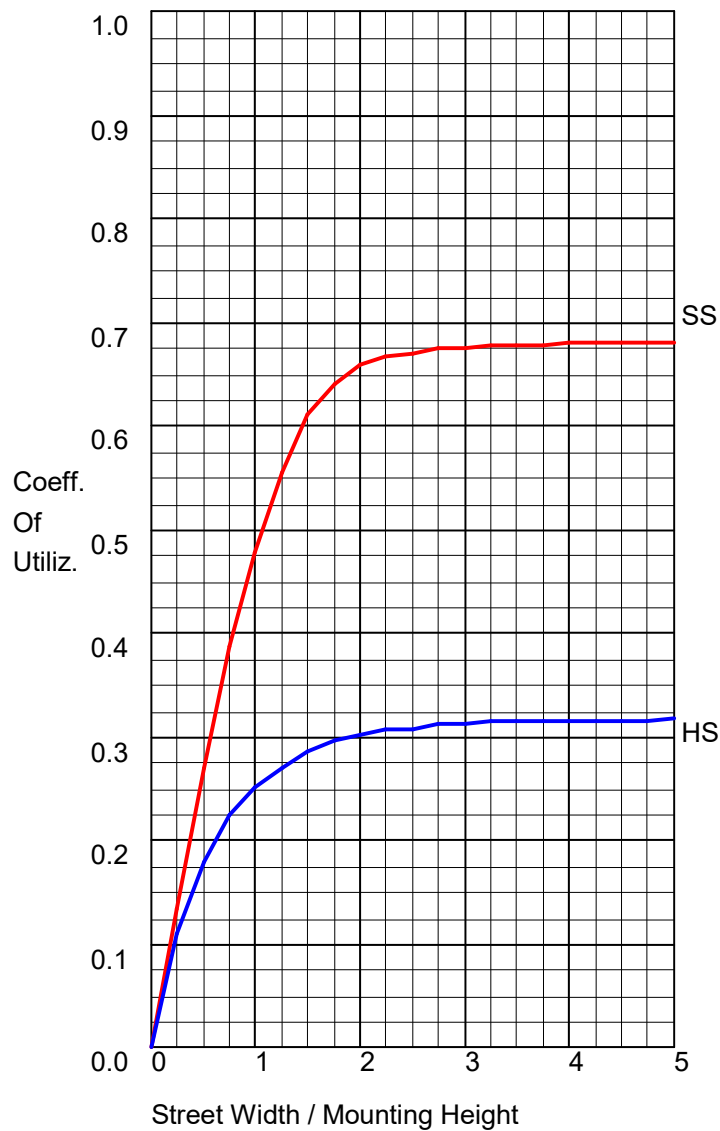
	<u>175.0</u>	<u>180.0</u>
0.0	360	360
2.5	352	352
5.0	336	337
7.5	319	320
10.0	300	299
12.5	279	278
15.0	255	255
17.5	233	233
20.0	213	212
22.5	194	194
25.0	177	177
27.5	164	164
30.0	156	156
32.5	151	151
35.0	148	148
37.5	146	147
40.0	145	145
42.5	145	145
45.0	145	145
47.5	145	145
50.0	145	146
52.5	145	147
55.0	145	146
57.5	141	142
60.0	132	133
62.5	117	118
65.0	92	92

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CANDELA TABULATION - (Cont.)

67.5	80	80
70.0	65	66
72.5	50	51
75.0	31	32
77.5	8	9
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

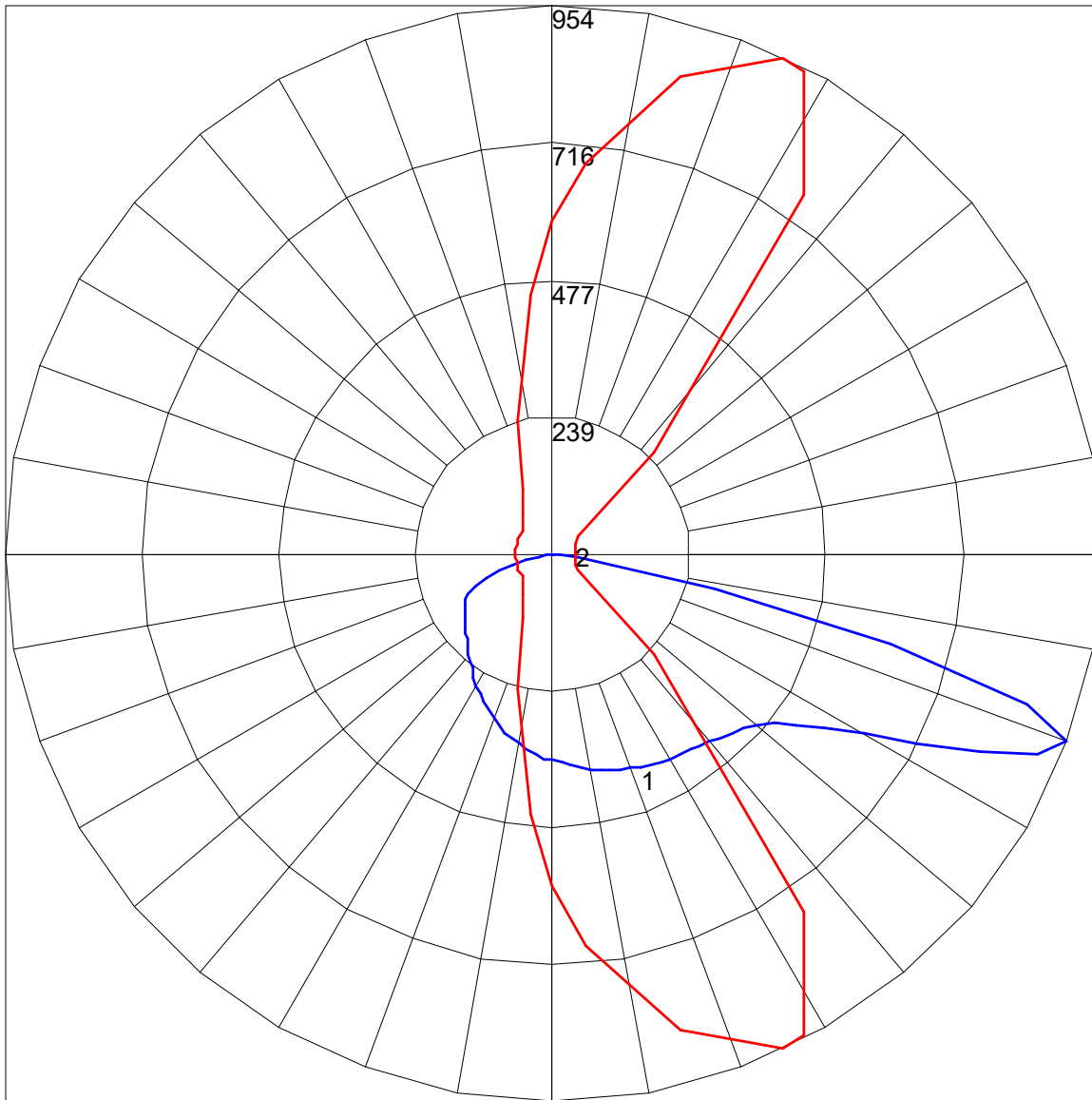
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

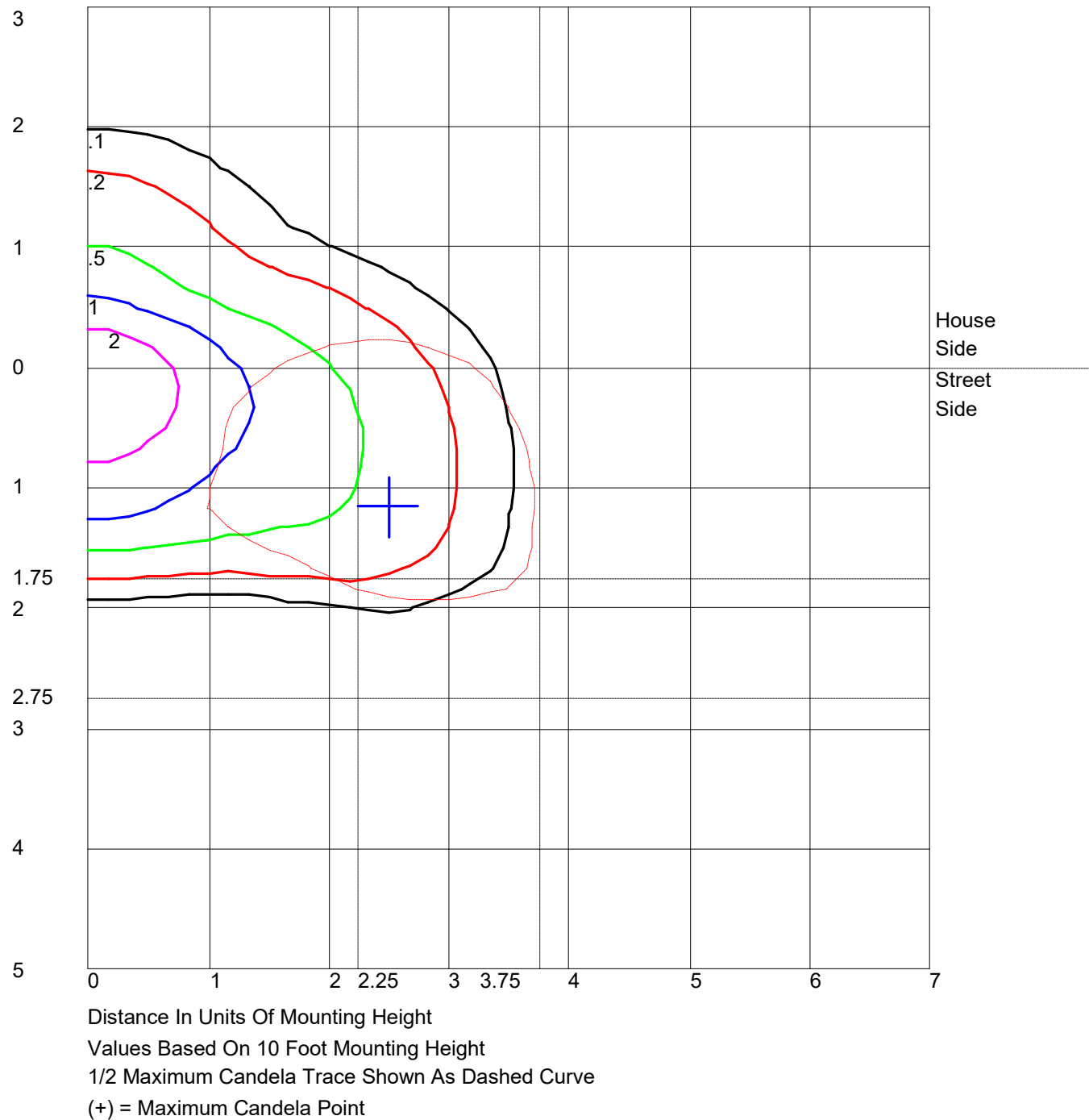
	Lumens	Percent Of Luminaire
Downward Street Side	1009.1	68.3
Downward House Side	469.2	31.7
Downward Total	1478.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1478.3	100.0

POLAR GRAPH

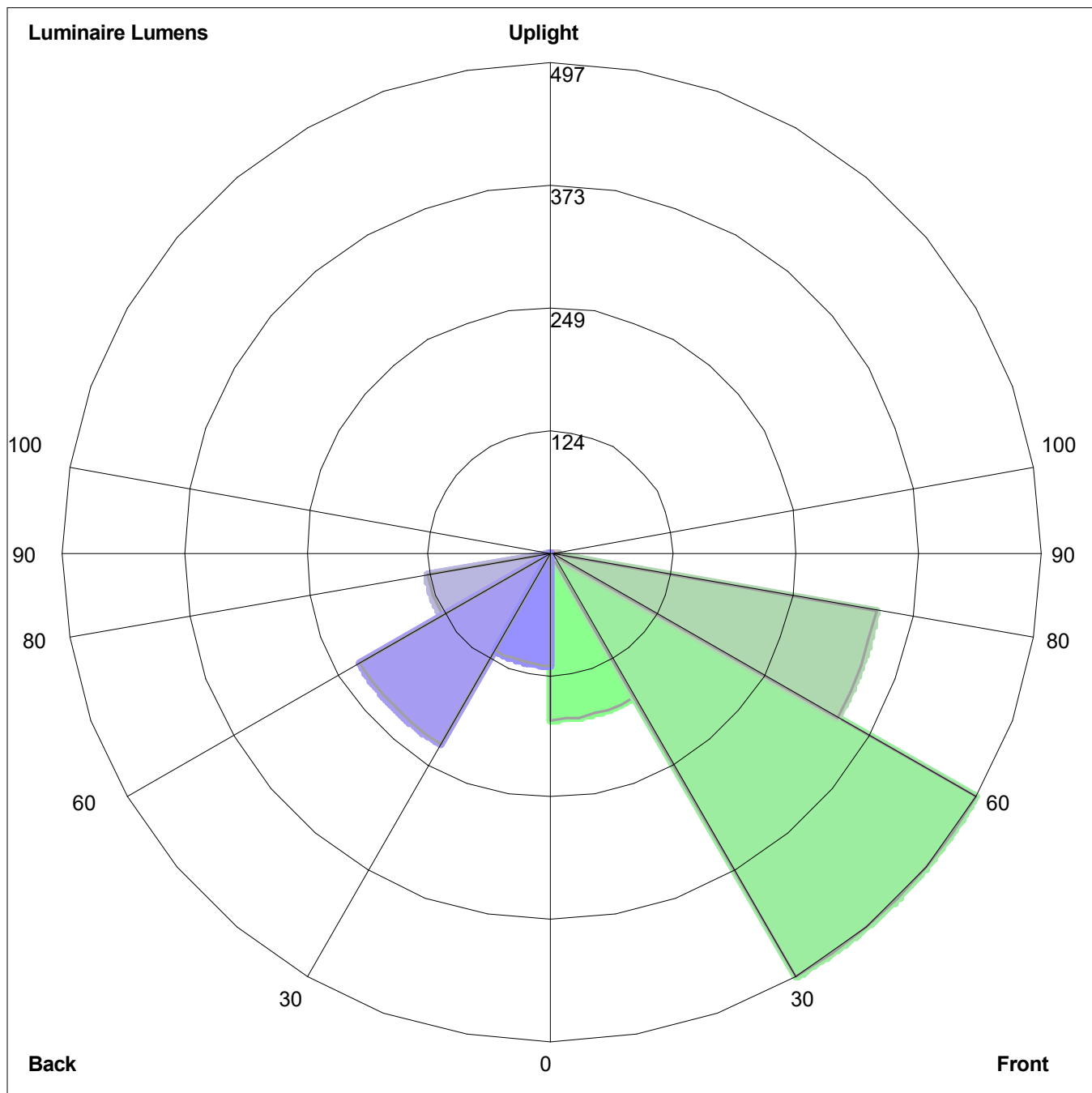


Maximum Candela = 954 Located At Horizontal Angle = 65, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=169.4, Medium=497.2, High=335.2, Very High=7.3
Back: Low=114.2, Medium=224.0, High=128.0, Very High=2.9
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1