



IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-01L-FT-UNV-DIM-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11549
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 5/7/2020
[TEST DATE] 01/29/20
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] SSW-LED-01L-FT-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 IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1464
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1065
Maximum Candela Angle	32.5H 70V
Maximum Candela (<90 Degrees Vertical)	1065
Maximum Candela Angle (<90 Degrees Vertical)	32.5H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	200 (13.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	133.6	N.A.	9.1
FM - Front-Medium (30-60)	563.0	N.A.	38.5
FH - Front-High (60-80)	518.7	N.A.	35.4
FVH - Front-Very High (80-90)	12.6	N.A.	0.9
BL - Back-Low (0-30)	47.4	N.A.	3.2
BM - Back-Medium (30-60)	103.7	N.A.	7.1
BH - Back-High (60-80)	81.9	N.A.	5.6
BVH - Back-Very High (80-90)	2.7	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	1463.6	N.A.	100.0
BUG Rating	B0-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>32.5</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>
0.0	196	196	196	196	196	196	196	196	196	196
2.5	214	212	213	211	210	210	208	207	204	202
5.0	239	237	237	234	232	231	226	222	216	210
7.5	263	261	260	255	252	250	245	237	228	217
10.0	286	285	283	277	272	270	263	252	239	224
12.5	310	307	306	298	293	289	279	266	250	232
15.0	335	333	329	320	313	309	296	280	261	240
17.5	360	358	354	343	334	330	314	294	272	247
20.0	383	381	378	365	355	351	332	309	284	256
22.5	404	402	399	387	375	371	349	324	295	264
25.0	425	423	420	406	394	389	367	338	306	272
27.5	445	444	439	425	411	406	382	353	318	281
30.0	465	463	458	443	428	422	398	366	329	290
32.5	486	483	477	459	444	438	411	378	340	299
35.0	505	502	495	476	460	453	424	390	351	307
37.5	527	523	514	493	476	468	438	401	361	316
40.0	557	552	541	514	493	485	452	415	373	327
42.5	596	591	577	545	519	508	470	429	387	338
45.0	617	613	602	576	551	538	494	447	401	350
47.5	633	630	619	589	564	554	511	460	412	363
50.0	659	655	641	609	578	565	519	470	425	377
52.5	689	684	672	635	600	586	533	483	439	395
55.0	723	720	705	667	628	614	553	498	456	416
57.5	766	764	749	708	665	649	581	518	476	441
60.0	830	823	808	762	716	696	617	544	497	463
62.5	895	889	882	836	785	762	671	577	513	477
65.0	926	929	952	929	881	850	739	605	511	470
67.5	856	867	952	1011	990	963	813	614	468	417
70.0	590	608	773	995	1065	1056	865	570	364	314
72.5	306	321	445	750	998	1024	835	433	226	195
75.0	159	161	231	461	727	779	641	242	116	107
77.5	99	100	136	271	418	448	323	104	57	52
80.0	54	59	82	146	193	200	129	43	31	31
82.5	27	29	42	66	75	78	47	20	17	18
85.0	10	11	16	26	28	28	14	7	6	7
87.5	0	0	0	0	2	1	1	1	0	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	196	196	196	196	196	196	196	196	196	196
2.5	198	197	196	193	191	189	186	184	182	180
5.0	201	197	194	186	177	170	164	158	154	150
7.5	204	198	191	179	165	152	143	135	129	125
10.0	208	199	190	171	153	137	126	117	111	107
12.5	211	200	189	164	142	124	111	102	96	93
15.0	215	201	187	157	131	113	99	92	89	88
17.5	219	203	186	151	123	103	91	88	86	84
20.0	223	205	185	146	115	95	87	84	82	82
22.5	228	207	185	141	108	89	84	81	80	80
25.0	233	210	186	137	102	85	81	79	78	78
27.5	239	214	187	133	97	82	78	76	76	77

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CANDELA TABULATION - (Cont.)

30.0	245	218	188	130	92	79	75	74	75	75
32.5	251	221	189	127	88	76	72	71	73	75
35.0	257	226	191	124	84	73	69	69	72	76
37.5	265	231	194	122	81	70	66	67	71	77
40.0	273	238	198	120	76	66	64	65	70	78
42.5	282	245	204	119	73	63	61	63	68	75
45.0	293	254	210	119	70	60	59	61	65	73
47.5	304	264	217	119	67	57	56	58	62	70
50.0	318	277	226	121	63	54	54	55	60	67
52.5	336	293	239	123	60	52	52	52	56	64
55.0	358	313	256	128	57	49	49	49	54	61
57.5	384	338	278	135	55	47	46	47	50	57
60.0	410	365	304	150	55	44	43	44	47	55
62.5	431	390	331	171	58	41	41	41	44	55
65.0	435	402	353	196	68	40	38	38	42	62
67.5	398	384	349	213	87	39	35	36	42	92
70.0	320	323	309	203	91	40	34	34	45	83
72.5	207	225	232	157	70	38	32	32	42	60
75.0	117	129	131	95	47	31	27	30	35	44
77.5	58	61	59	49	32	23	22	27	27	25
80.0	32	30	27	23	19	16	15	21	17	6
82.5	18	17	13	10	10	9	9	13	10	3
85.0	7	7	5	3	3	3	3	5	2	1
87.5	1	0	0	0	0	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

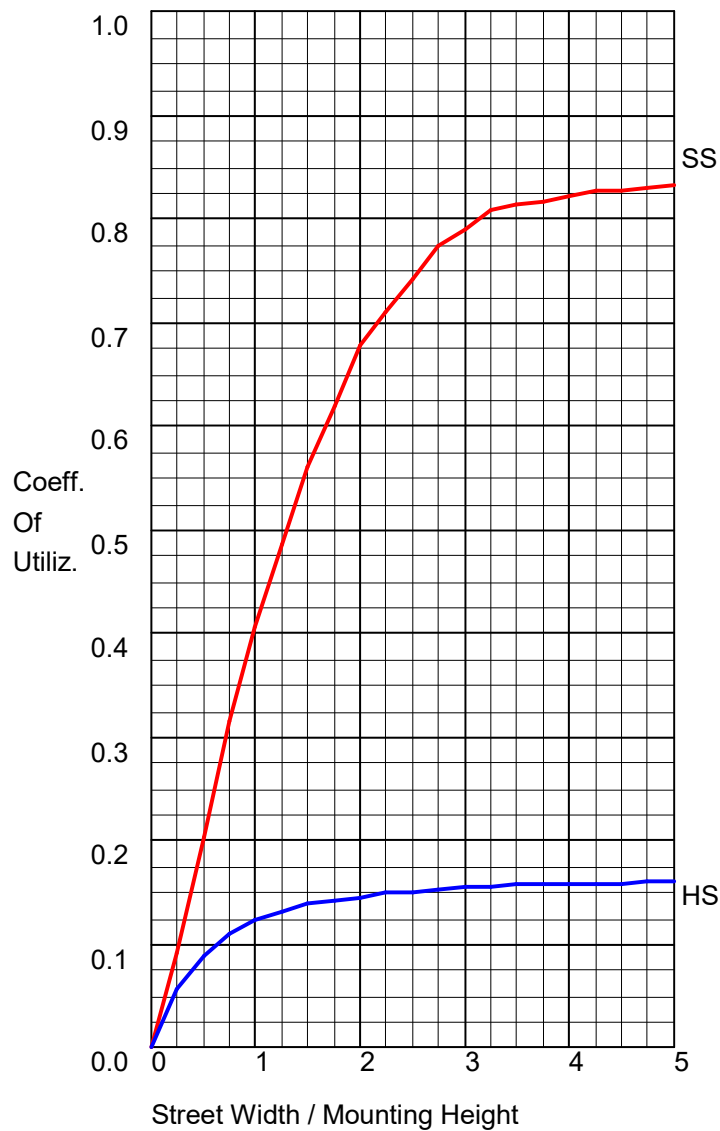
	<u>175.0</u>	<u>180.0</u>
0.0	196	196
2.5	180	178
5.0	149	148
7.5	123	122
10.0	104	103
12.5	92	91
15.0	87	87
17.5	84	84
20.0	82	82
22.5	80	80
25.0	78	78
27.5	77	77
30.0	76	76
32.5	77	77
35.0	80	80
37.5	82	83
40.0	83	83
42.5	81	81
45.0	78	79
47.5	76	77
50.0	74	75
52.5	70	71
55.0	67	68
57.5	65	66
60.0	65	67
62.5	69	72
65.0	114	124

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CANDELA TABULATION - (Cont.)

67.5	132	136
70.0	99	100
72.5	72	73
75.0	55	57
77.5	29	31
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

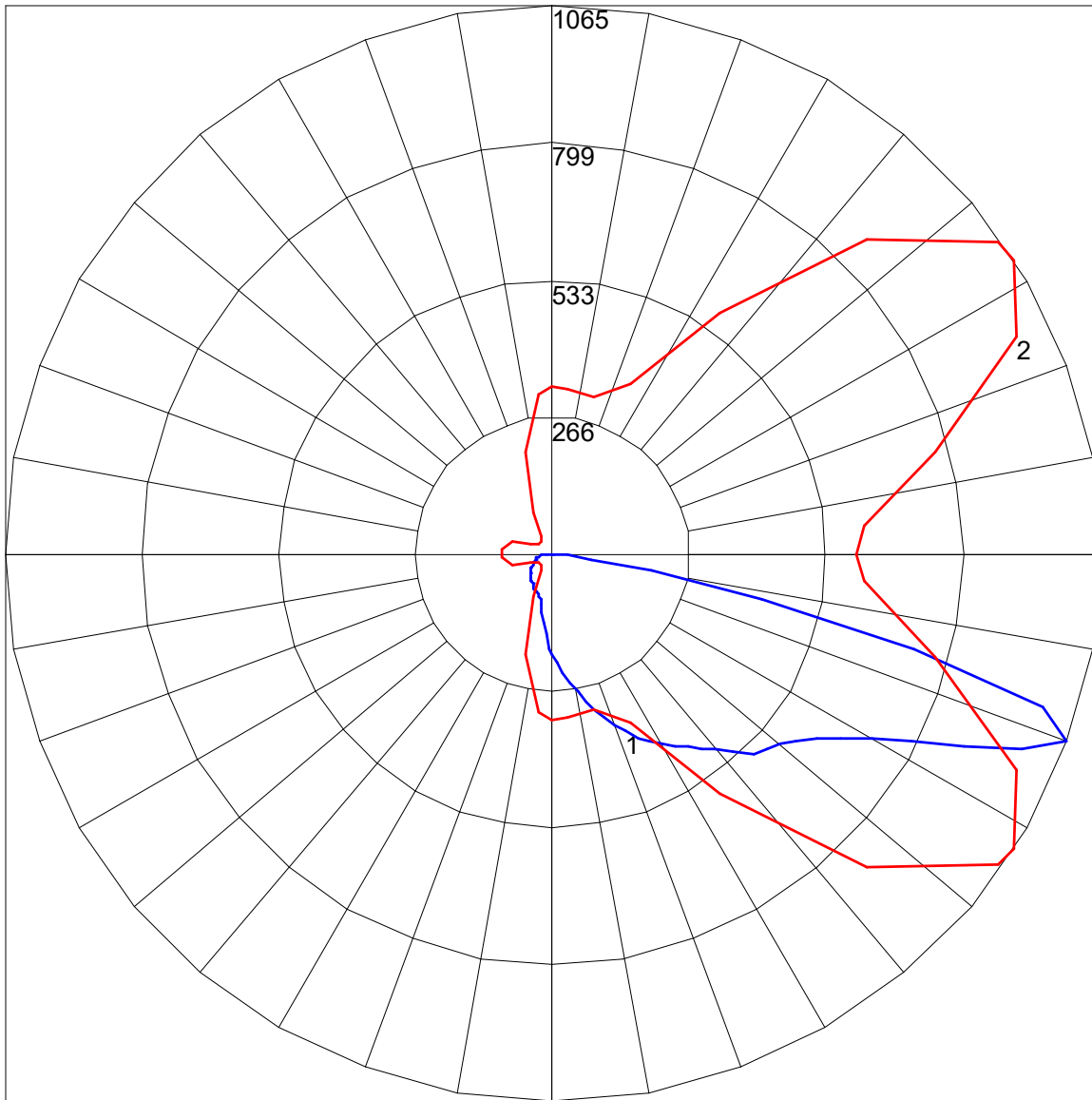
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

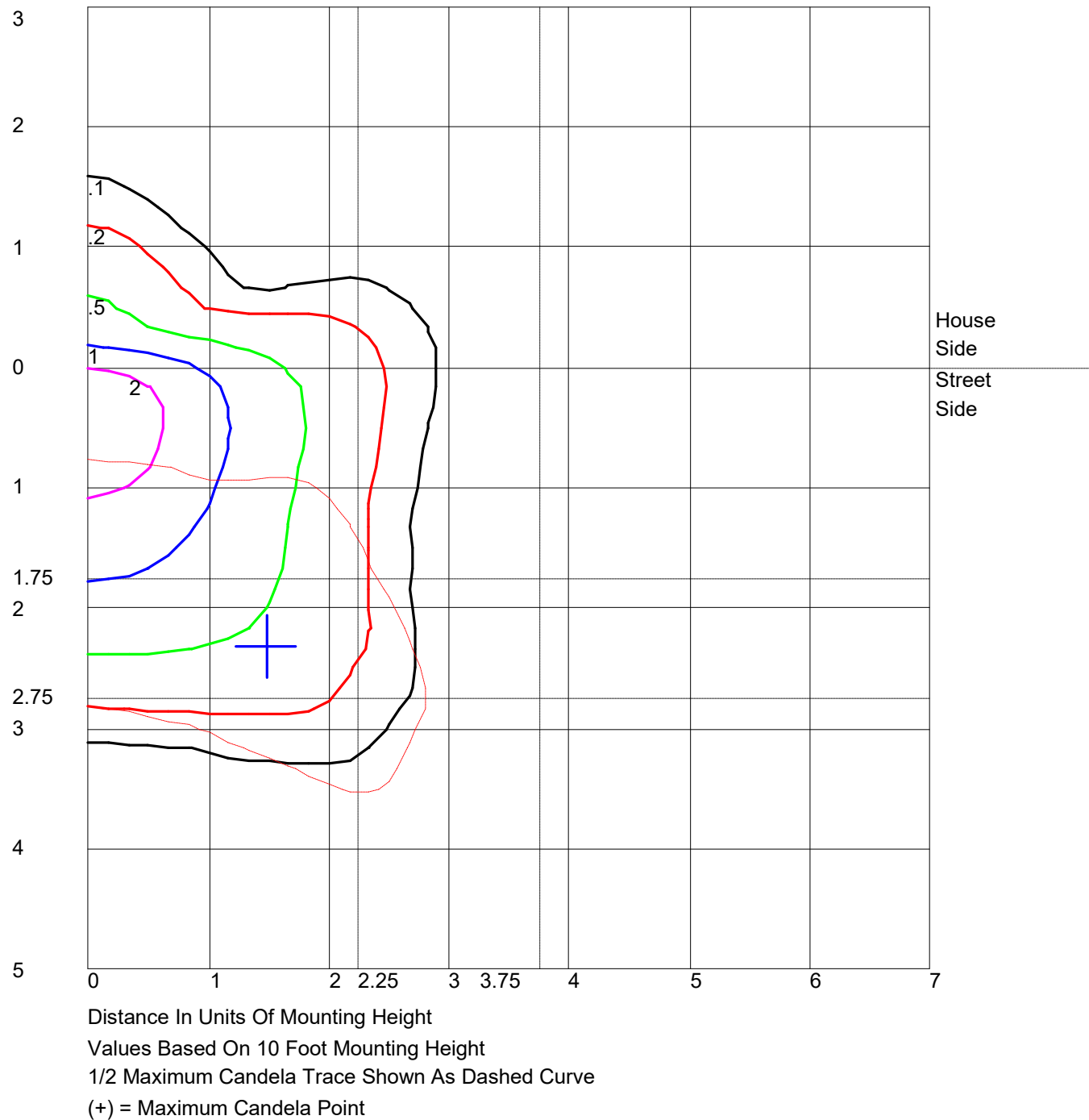
	Lumens	Percent Of Luminaire
Downward Street Side	1228.0	83.9
Downward House Side	235.7	16.1
Downward Total	1463.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1463.7	100.0

POLAR GRAPH

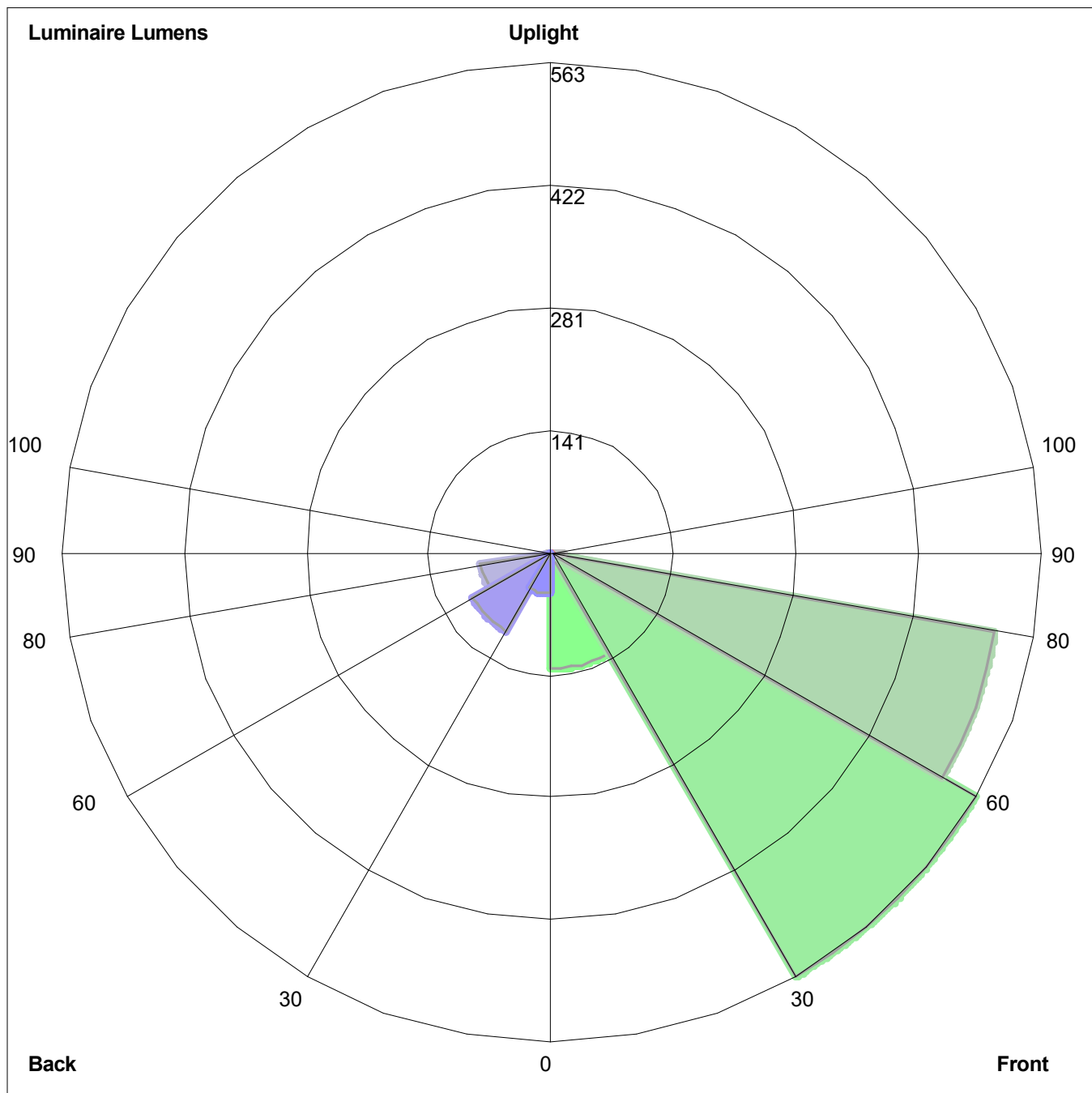


Maximum Candela = 1065 Located At Horizontal Angle = 32.5, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (32.5 - 212.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=133.6, Medium=563.0, High=518.7, Very High=12.6
Back: Low=47.4, Medium=103.7, High=81.9, Very High=2.7
Uplight: Low=0.0, High=0.0

BUG Rating : B0-U0-G1