



IES ROAD REPORT

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11548

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/7/2020

[TEST DATE] 01/29/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SSW-LED-01L-FT-UNV-DIM-40

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[OTHER] TEST PROCEDURE: IESNA LM-79-08

CHARACTERISTICS

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1509
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1138
Maximum Candela Angle	32.5H 70V
Maximum Candela (<90 Degrees Vertical)	1138
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	205 (13.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	147.4	N.A.	9.8
FM - Front-Medium (30-60)	587.1	N.A.	38.9
FH - Front-High (60-80)	521.0	N.A.	34.5
FVH - Front-Very High (80-90)	12.4	N.A.	0.8
BL - Back-Low (0-30)	52.9	N.A.	3.5
BM - Back-Medium (30-60)	106.4	N.A.	7.1
BH - Back-High (60-80)	79.2	N.A.	5.2
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	1509.3	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	221	221	221	221	221	221	221	221	221	221
2.5	240	239	238	237	236	236	234	231	229	226
5.0	269	268	267	264	262	260	256	249	244	235
7.5	296	294	293	288	286	283	275	266	256	243
10.0	322	320	318	313	309	305	295	283	269	251
12.5	346	346	342	335	330	327	314	297	280	259
15.0	370	369	366	357	350	346	331	312	291	267
17.5	395	394	390	380	371	366	348	326	303	274
20.0	420	419	414	403	391	386	364	340	313	281
22.5	446	446	439	426	412	406	381	353	323	288
25.0	472	472	465	449	433	426	398	366	334	296
27.5	497	497	489	471	453	446	415	379	343	303
30.0	522	521	513	492	472	464	430	391	352	310
32.5	548	546	534	512	490	481	444	402	360	315
35.0	571	569	556	531	508	497	456	413	368	321
37.5	593	590	577	549	524	512	468	422	376	327
40.0	619	615	599	568	541	527	480	432	384	333
42.5	658	656	635	595	563	548	496	444	394	341
45.0	672	670	654	623	591	574	515	458	405	349
47.5	686	683	665	630	600	585	530	470	415	358
50.0	700	699	682	640	604	588	534	478	426	369
52.5	722	721	703	657	617	600	543	489	440	384
55.0	750	750	733	682	637	620	559	505	458	405
57.5	794	791	773	719	667	647	581	526	480	429
60.0	855	852	831	772	719	695	615	552	502	452
62.5	939	935	917	849	795	765	673	583	517	467
65.0	984	990	1006	961	899	863	748	608	510	458
67.5	902	917	1010	1066	1037	1001	827	610	451	390
70.0	584	604	787	1054	1138	1121	878	543	333	277
72.5	297	310	435	785	1065	1094	826	386	194	152
75.0	173	178	241	488	764	810	575	211	91	73
77.5	105	110	151	296	444	452	289	89	41	35
80.0	58	62	91	161	199	205	119	37	22	19
82.5	30	32	48	79	86	86	47	18	11	10
85.0	9	9	13	25	29	26	15	5	4	4
87.5	0	0	0	1	1	1	1	1	1	1
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	221	221	221	221	221	221	221	221	221	221
2.5	223	222	221	217	213	212	209	206	205	203
5.0	226	223	218	209	199	192	185	179	174	171
7.5	230	223	216	200	185	174	163	155	149	145
10.0	234	224	214	191	172	157	145	136	129	124
12.5	236	224	211	183	160	143	130	118	110	106
15.0	239	225	209	176	149	130	114	105	102	99
17.5	243	226	206	169	140	119	104	99	96	94
20.0	246	227	205	162	131	108	98	94	92	90
22.5	249	228	203	156	123	101	94	90	88	87
25.0	253	229	202	151	115	96	90	87	85	85
27.5	257	231	201	146	109	91	86	83	82	82

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CANDELA TABULATION - (Cont.)

30.0	261	233	200	141	103	87	82	80	79	80
32.5	264	235	200	137	97	83	79	77	77	79
35.0	269	237	200	132	92	79	75	74	76	79
37.5	272	239	200	129	87	75	71	72	76	82
40.0	276	242	201	125	82	71	68	70	77	81
42.5	282	247	203	122	78	67	66	69	74	78
45.0	288	251	205	119	74	64	64	66	70	75
47.5	295	257	210	118	70	62	62	63	67	72
50.0	305	265	215	117	66	59	59	60	64	69
52.5	319	278	224	117	63	56	56	57	60	66
55.0	339	295	239	119	60	54	53	54	57	63
57.5	364	320	260	127	58	51	51	51	54	60
60.0	392	349	287	142	57	48	48	47	51	58
62.5	414	375	316	166	59	44	44	44	48	56
65.0	418	389	341	195	69	42	41	41	45	59
67.5	377	366	334	213	89	40	38	38	44	96
70.0	278	289	285	193	84	40	35	36	49	84
72.5	166	186	194	139	61	37	33	34	47	57
75.0	83	94	103	83	41	31	29	33	39	42
77.5	39	43	46	45	30	24	24	32	31	30
80.0	18	18	20	24	20	17	18	29	22	9
82.5	9	9	9	11	10	10	11	17	11	3
85.0	3	3	3	3	3	4	4	6	2	1
87.5	1	1	1	1	1	1	1	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

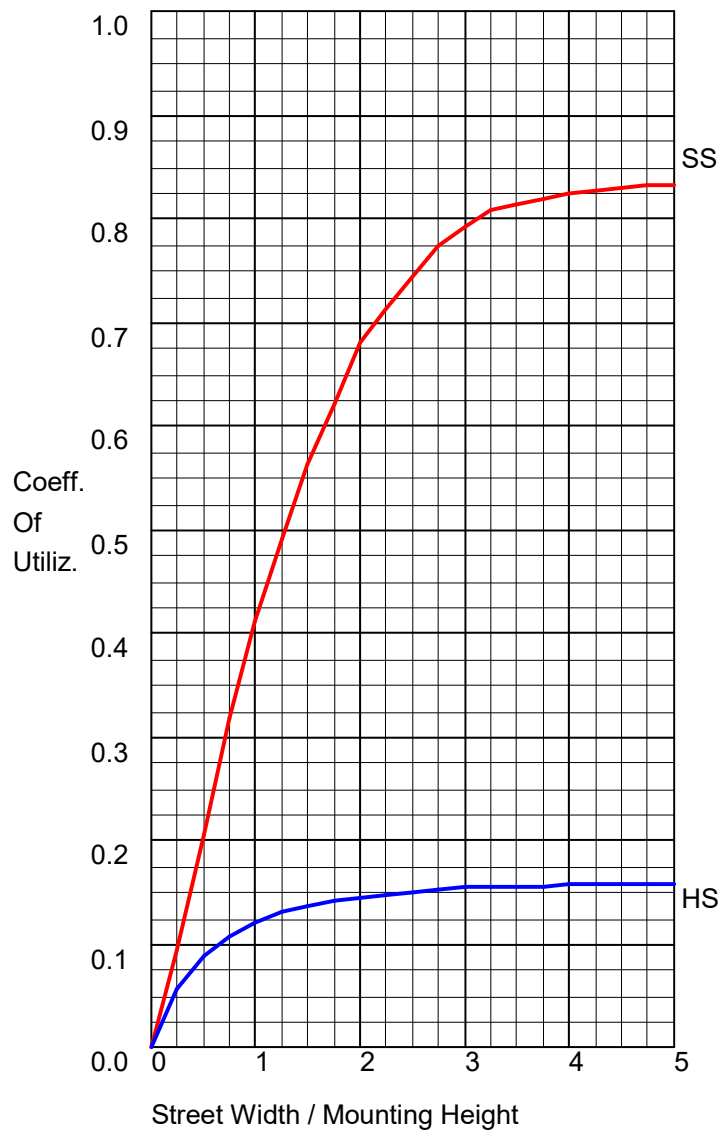
	<u>175.0</u>	<u>180.0</u>
0.0	221	221
2.5	202	204
5.0	169	167
7.5	142	141
10.0	120	120
12.5	105	105
15.0	98	98
17.5	93	93
20.0	90	90
22.5	87	87
25.0	85	85
27.5	82	82
30.0	80	80
32.5	80	80
35.0	82	82
37.5	85	86
40.0	83	84
42.5	81	81
45.0	78	78
47.5	75	75
50.0	72	72
52.5	69	69
55.0	67	67
57.5	64	65
60.0	62	63
62.5	61	62
65.0	99	107

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CANDELA TABULATION - (Cont.)

67.5	125	124
70.0	87	87
72.5	64	64
75.0	54	56
77.5	36	39
80.0	5	3
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

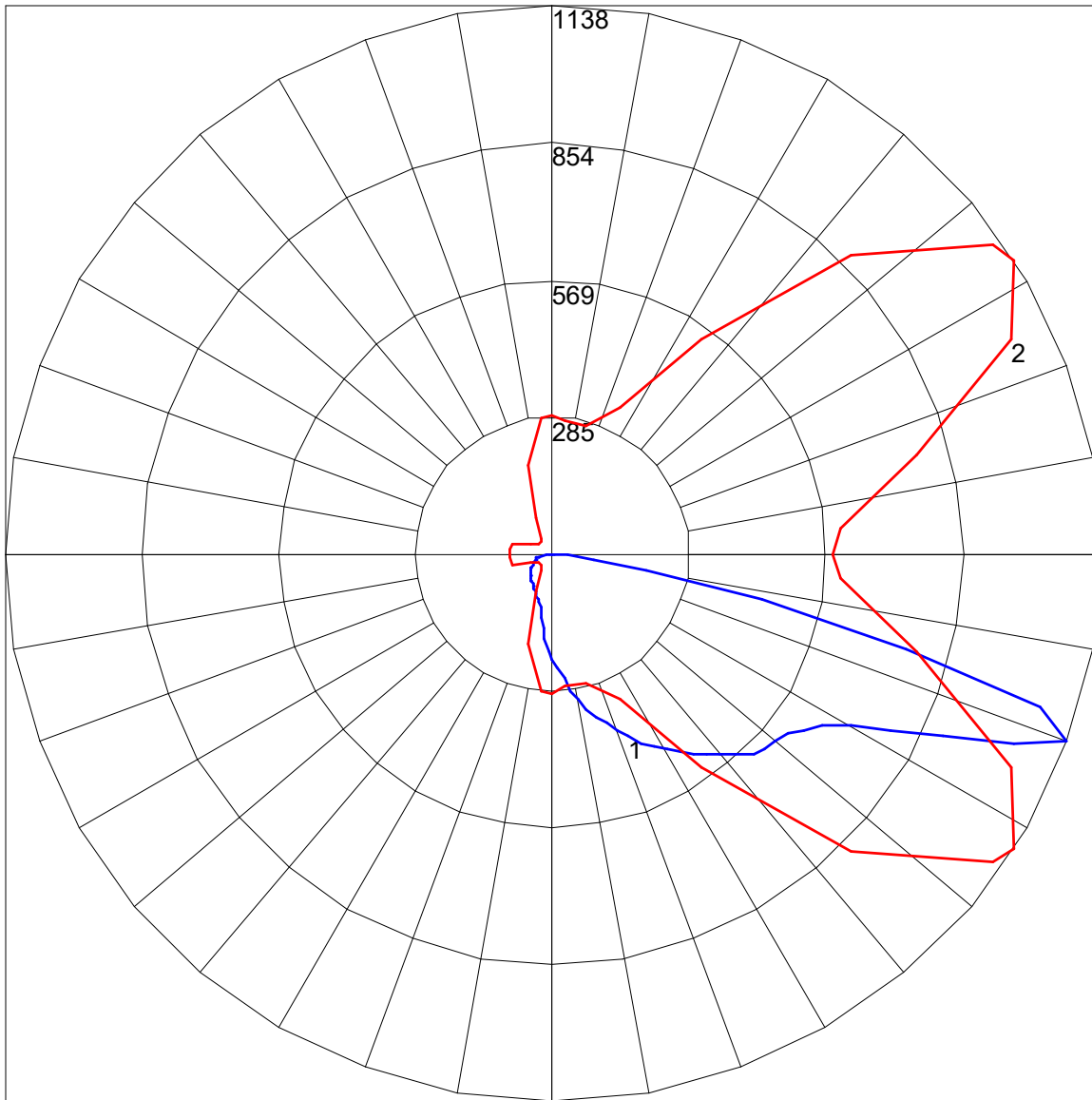
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

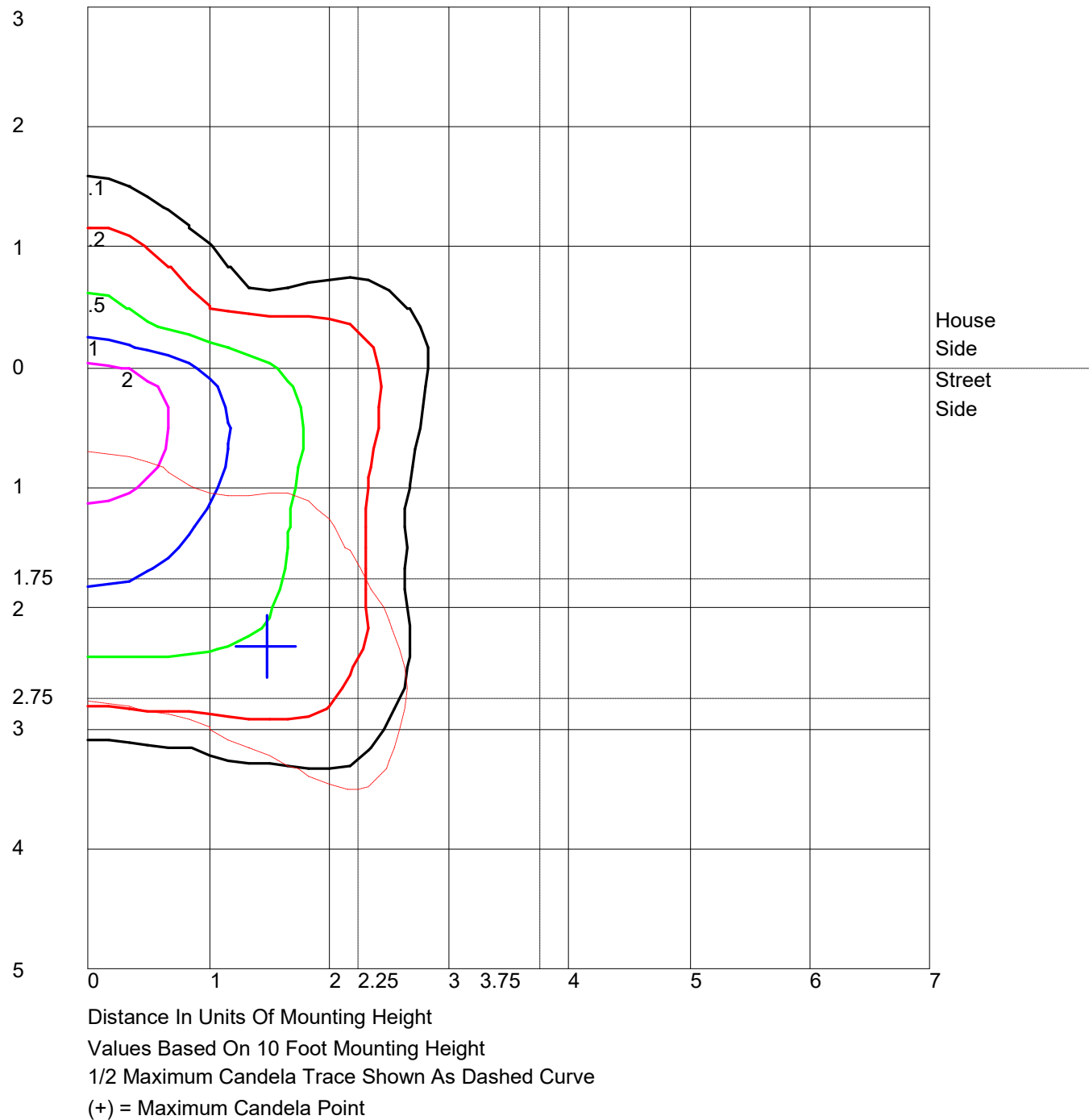
	Lumens	Percent Of Luminaire
Downward Street Side	1267.9	84.0
Downward House Side	241.4	16.0
Downward Total	1509.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1509.3	100.0

POLAR GRAPH

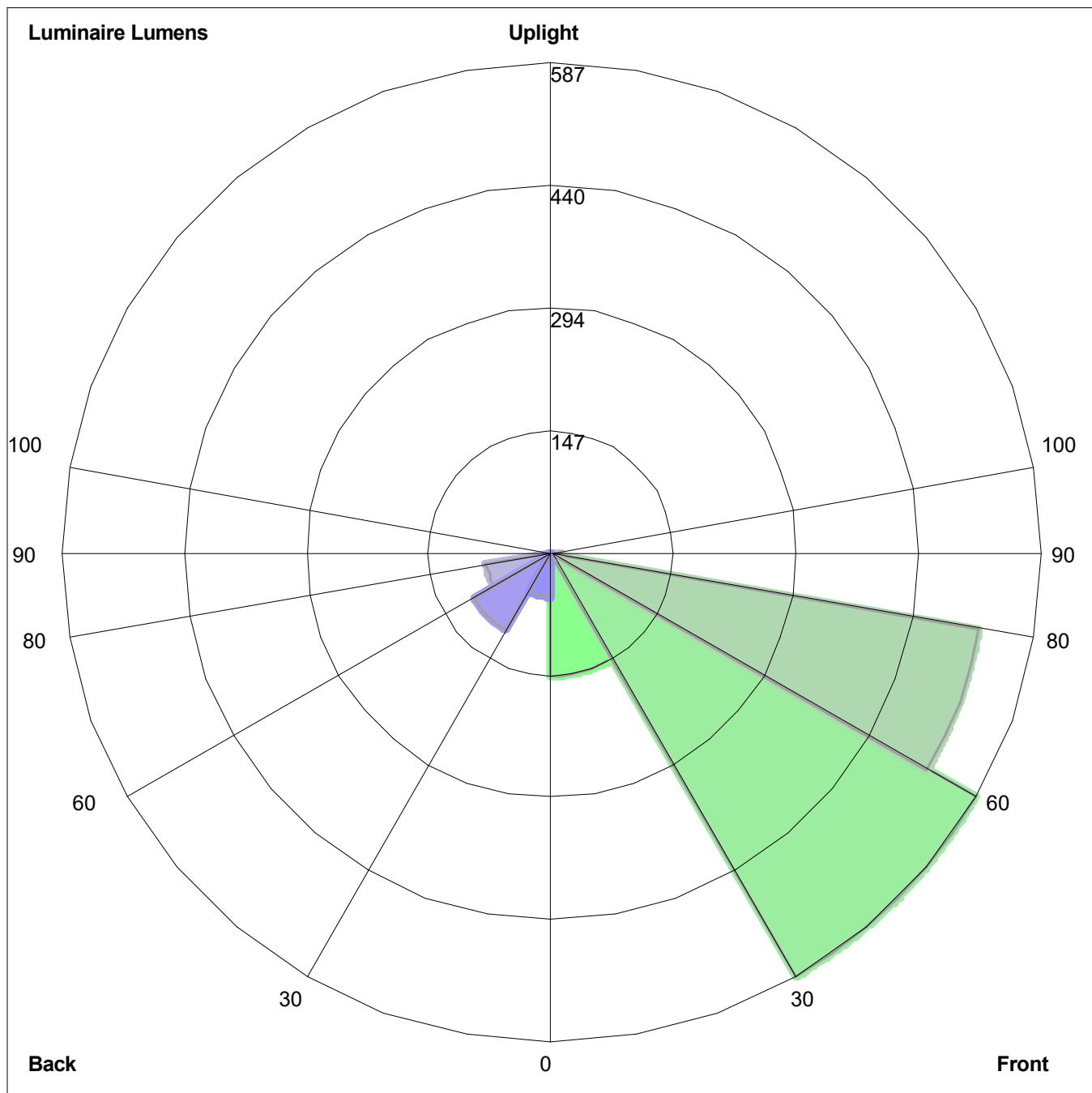


Maximum Candela = 1138 Located At Horizontal Angle = 32.5, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (32.5 - 212.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=147.4, Medium=587.1, High=521.0, Very High=12.4
Back: Low=52.9, Medium=106.4, High=79.2, Very High=2.9
Uplight: Low=0.0, High=0.0

BUG Rating : B0-U0-G1