



## IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-03L-FT-UNV-DIM-40.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

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SSW-LED-03L-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	3143
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2287
Maximum Candela Angle	32.5H 70V
Maximum Candela (<90 Degrees Vertical)	2287
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	429 (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)	286.9	N.A.	9.1
FM - Front-Medium (30-60)	1208.6	N.A.	38.5
FH - Front-High (60-80)	1113.8	N.A.	35.4
FVH - Front-Very High (80-90)	27.2	N.A.	0.9
BL - Back-Low (0-30)	101.9	N.A.	3.2
BM - Back-Medium (30-60)	222.7	N.A.	7.1
BH - Back-High (60-80)	175.9	N.A.	5.6
BVH - Back-Very High (80-90)	5.8	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	3142.8	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>32.5</b></u>	<u><b>35.0</b></u>	<u><b>45.0</b></u>	<u><b>55.0</b></u>	<u><b>65.0</b></u>	<u><b>75.0</b></u>
<b>0.0</b>	421	421	421	421	421	421	421	421	421	421
<b>2.5</b>	459	456	457	453	451	450	447	445	439	433
<b>5.0</b>	513	509	509	502	497	495	486	477	464	450
<b>7.5</b>	564	560	558	548	540	537	526	508	489	465
<b>10.0</b>	615	611	608	595	585	580	564	540	513	481
<b>12.5</b>	666	660	656	640	629	621	600	571	537	498
<b>15.0</b>	719	715	707	687	673	663	636	601	561	515
<b>17.5</b>	772	769	759	736	718	709	674	632	585	531
<b>20.0</b>	822	818	811	783	763	753	713	663	609	549
<b>22.5</b>	868	864	856	831	805	796	750	695	634	567
<b>25.0</b>	912	908	901	872	845	835	787	726	658	585
<b>27.5</b>	956	953	943	912	883	872	821	757	683	604
<b>30.0</b>	999	995	984	950	919	907	854	785	706	622
<b>32.5</b>	1043	1036	1023	986	953	941	883	812	729	641
<b>35.0</b>	1085	1077	1062	1022	988	973	911	837	753	659
<b>37.5</b>	1131	1122	1104	1059	1022	1005	940	861	776	679
<b>40.0</b>	1195	1184	1161	1104	1059	1041	970	890	801	701
<b>42.5</b>	1280	1268	1239	1171	1115	1090	1008	921	830	725
<b>45.0</b>	1324	1316	1293	1236	1183	1154	1060	959	860	752
<b>47.5</b>	1360	1352	1328	1265	1211	1190	1096	987	885	779
<b>50.0</b>	1415	1406	1376	1307	1240	1214	1115	1010	912	810
<b>52.5</b>	1479	1468	1442	1363	1288	1259	1145	1036	943	848
<b>55.0</b>	1552	1546	1514	1433	1348	1318	1188	1070	980	893
<b>57.5</b>	1645	1640	1608	1519	1428	1394	1247	1113	1021	946
<b>60.0</b>	1782	1766	1734	1636	1538	1494	1324	1168	1068	993
<b>62.5</b>	1921	1909	1894	1795	1686	1636	1441	1239	1101	1024
<b>65.0</b>	1989	1995	2043	1994	1892	1825	1587	1299	1098	1008
<b>67.5</b>	1837	1861	2044	2171	2126	2067	1745	1319	1004	896
<b>70.0</b>	1266	1305	1659	2136	2287	2268	1856	1224	781	675
<b>72.5</b>	658	689	955	1611	2143	2198	1793	930	486	419
<b>75.0</b>	342	346	496	990	1561	1673	1377	520	250	229
<b>77.5</b>	213	214	291	582	898	962	694	224	123	112
<b>80.0</b>	117	127	176	314	415	429	276	92	67	66
<b>82.5</b>	59	63	90	141	162	168	101	44	36	39
<b>85.0</b>	22	23	35	55	60	61	29	14	13	14
<b>87.5</b>	1	1	1	1	4	3	3	2	1	1
<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>	421	421	421	421	421	421	421	421	421	421
<b>2.5</b>	426	423	420	415	410	405	399	394	391	387
<b>5.0</b>	432	424	416	400	381	365	352	340	330	323
<b>7.5</b>	439	425	411	384	354	327	307	290	278	269
<b>10.0</b>	447	428	408	368	328	295	271	252	239	229
<b>12.5</b>	454	430	405	352	304	267	239	218	206	200
<b>15.0</b>	461	432	402	338	282	243	212	198	192	188
<b>17.5</b>	470	436	399	325	264	221	196	188	184	181
<b>20.0</b>	479	440	398	313	247	204	187	180	177	176
<b>22.5</b>	489	445	398	303	232	192	180	174	172	171
<b>25.0</b>	501	451	399	294	220	183	174	169	168	167
<b>27.5</b>	513	459	401	286	208	177	168	164	164	165

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**CANDELA TABULATION - (Cont.)**

30.0	525	467	403	279	198	170	161	159	160	162
32.5	538	475	406	272	189	163	155	153	156	161
35.0	552	485	411	266	180	156	149	148	154	164
37.5	568	496	417	262	173	150	142	143	153	166
40.0	586	510	425	258	164	142	137	140	150	167
42.5	605	526	437	256	157	135	131	135	147	162
45.0	628	545	450	256	150	128	126	131	140	156
47.5	653	567	466	256	143	122	121	124	134	150
50.0	682	595	486	259	136	117	116	118	128	144
52.5	721	629	513	264	129	112	111	112	121	137
55.0	769	672	550	274	123	106	105	106	115	130
57.5	824	725	597	290	119	101	99	100	108	123
60.0	880	783	653	322	119	95	93	94	101	119
62.5	925	837	711	368	124	89	87	87	95	118
65.0	933	863	757	421	146	85	81	82	91	134
67.5	855	824	750	458	186	83	76	78	90	197
70.0	686	693	664	436	195	85	73	73	97	178
72.5	445	483	499	336	150	81	68	68	90	128
75.0	251	276	281	204	100	67	59	64	75	95
77.5	125	130	127	105	68	50	47	58	58	53
80.0	68	65	57	49	41	34	33	45	36	13
82.5	39	36	28	22	21	19	19	28	22	7
85.0	16	15	10	7	7	7	6	10	4	2
87.5	2	1	1	1	1	1	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

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

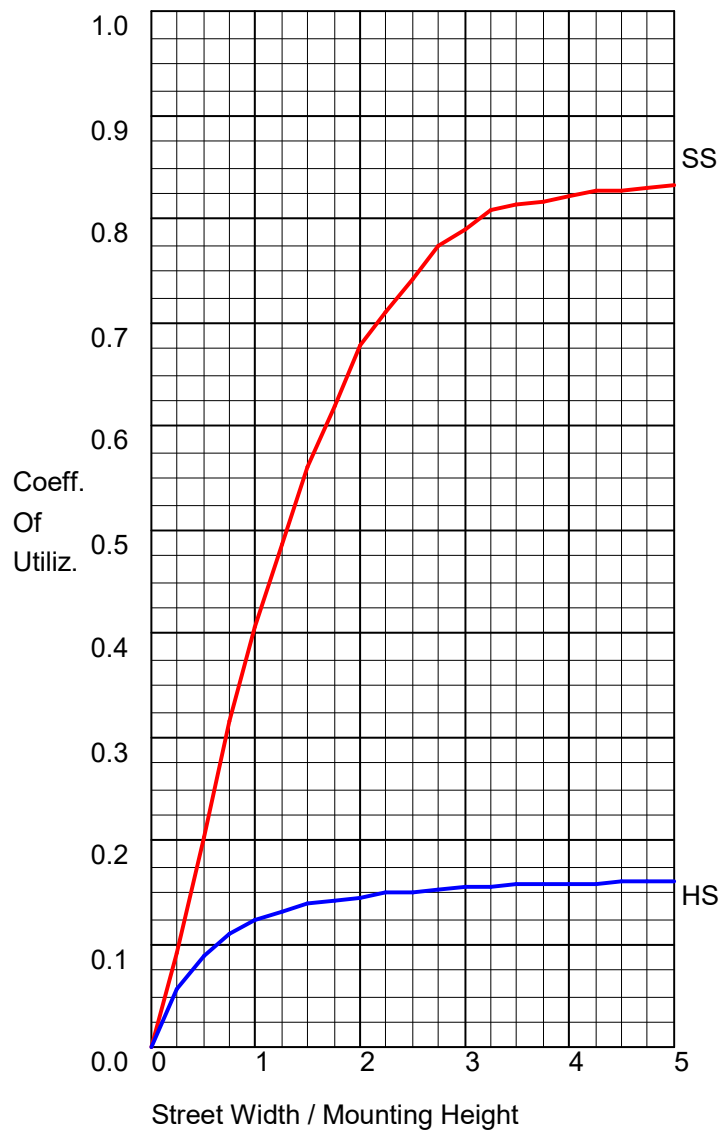
	<u>175.0</u>	<u>180.0</u>
0.0	421	421
2.5	386	383
5.0	320	317
7.5	265	262
10.0	224	222
12.5	197	196
15.0	187	186
17.5	180	180
20.0	175	175
22.5	171	171
25.0	168	168
27.5	166	165
30.0	164	164
32.5	166	166
35.0	172	172
37.5	177	179
40.0	178	179
42.5	173	174
45.0	168	170
47.5	163	165
50.0	158	160
52.5	151	152
55.0	144	145
57.5	139	141
60.0	140	143
62.5	148	155
65.0	244	266

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**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	284	291
<b>70.0</b>	213	215
<b>72.5</b>	154	157
<b>75.0</b>	119	122
<b>77.5</b>	63	67
<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

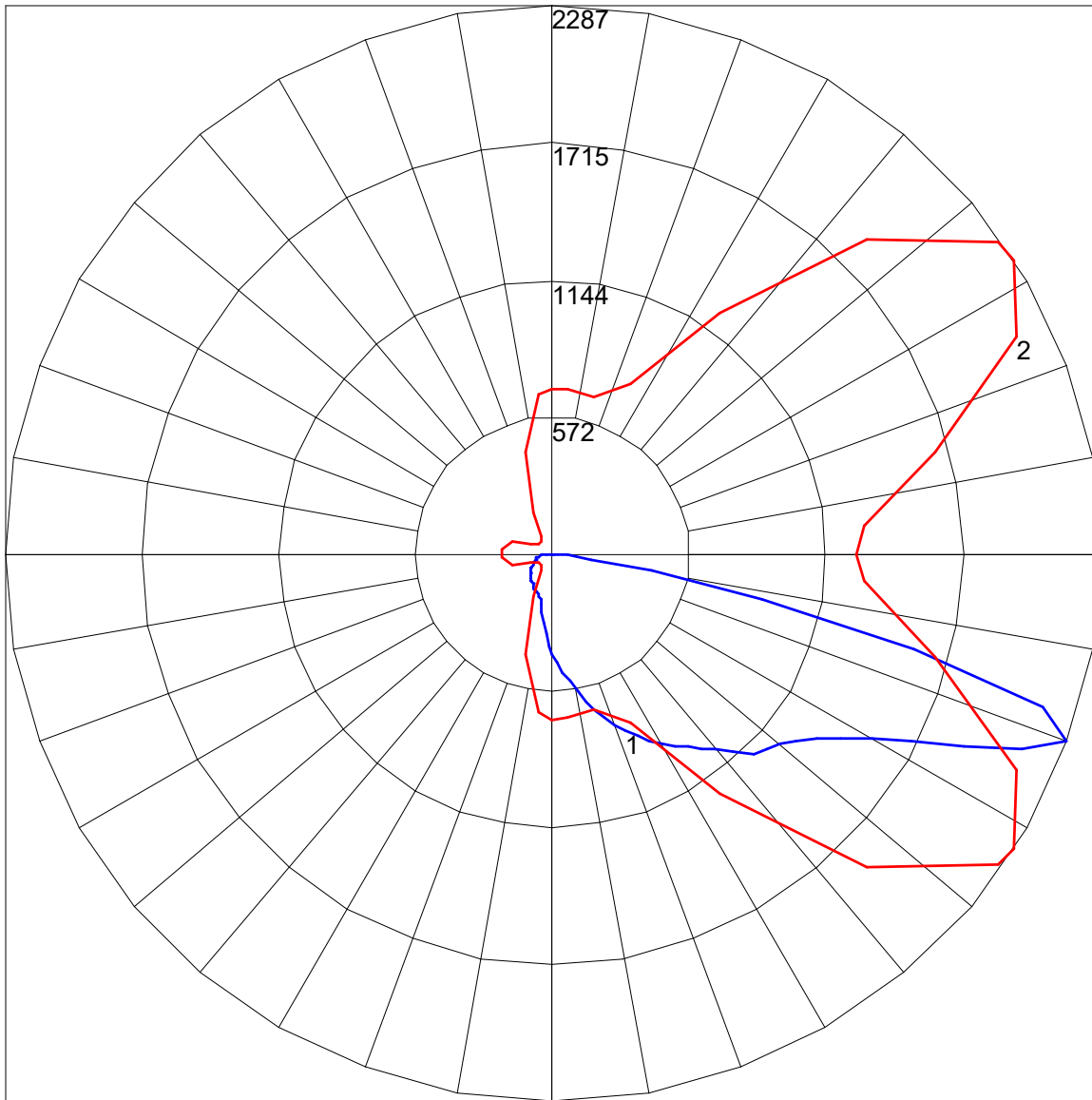
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

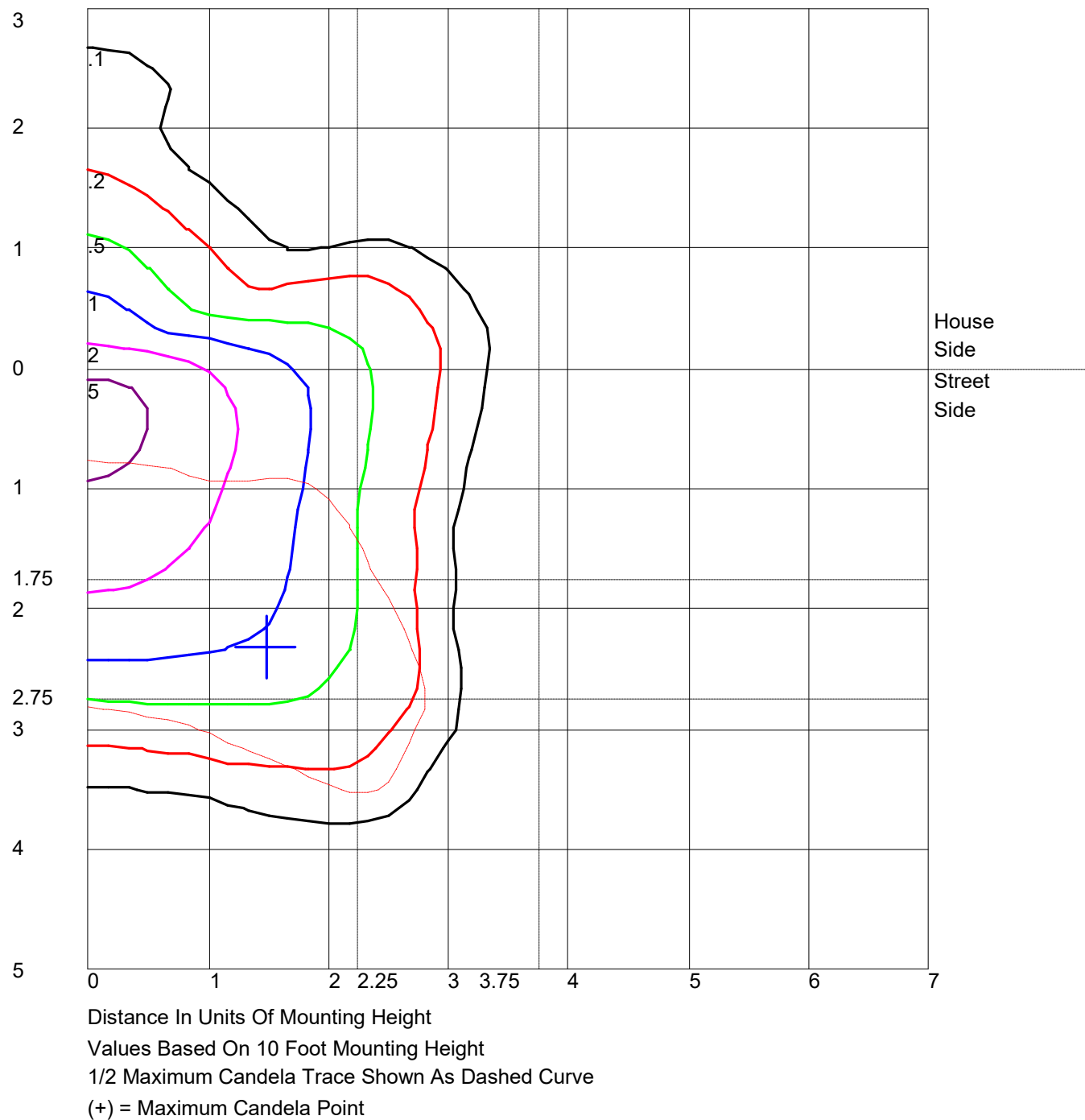
	Lumens	Percent Of Luminaire
Downward Street Side	2636.4	83.9
Downward House Side	506.3	16.1
Downward Total	3142.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3142.7	100.0

POLAR GRAPH



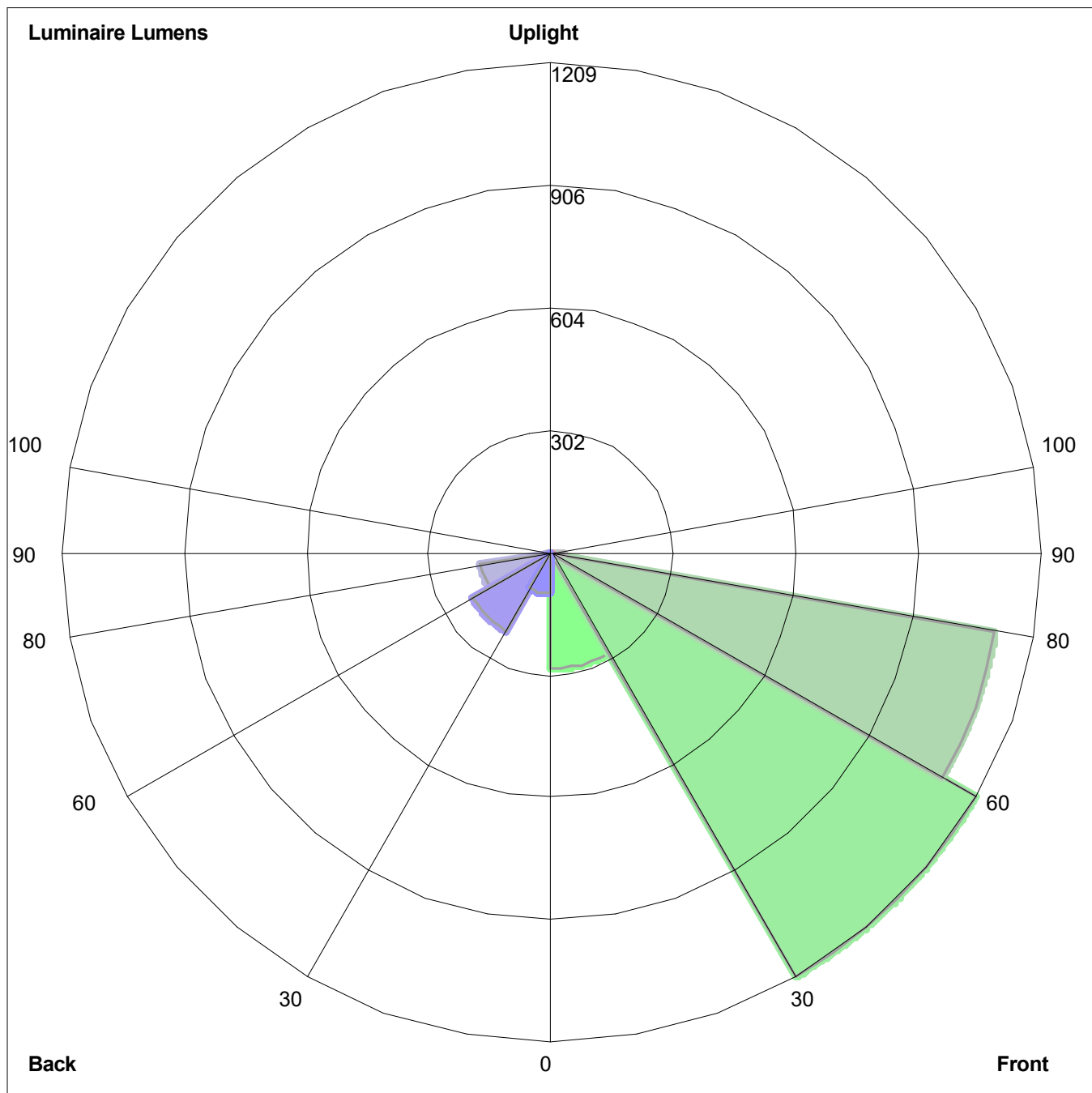
Maximum Candela = 2287 Located At Horizontal Angle = 32.5, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (32.5 - 212.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=286.9, Medium=1208.6, High=1113.8, Very High=27.2  
Back: Low=101.9, Medium=222.7, High=175.9, Very High=5.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1