



## IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-03L-FT-UNV-DIM-50.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-03L-FT-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 IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3224
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2346
Maximum Candela Angle	32.5H 70V
Maximum Candela (<90 Degrees Vertical)	2346
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	440 (13.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SSW-LED-03L-FT-UNV-DIM-50.IES**

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	294.3	N.A.	9.1
FM - Front-Medium (30-60)	1239.7	N.A.	38.5
FH - Front-High (60-80)	1142.5	N.A.	35.4
FVH - Front-Very High (80-90)	27.9	N.A.	0.9
BL - Back-Low (0-30)	104.5	N.A.	3.2
BM - Back-Medium (30-60)	228.5	N.A.	7.1
BH - Back-High (60-80)	180.3	N.A.	5.6
BVH - Back-Very High (80-90)	5.9	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	3223.6	N.A.	100.0
BUG Rating	B1-U0-G1		

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SSW-LED-03L-FT-UNV-DIM-50.IES**

**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>	432	432	432	432	432	432	432	432	432	432
<b>2.5</b>	471	468	469	465	463	462	459	456	450	444
<b>5.0</b>	526	522	522	515	510	508	499	489	476	462
<b>7.5</b>	579	574	572	562	554	551	540	521	502	477
<b>10.0</b>	631	627	624	610	600	595	579	554	526	493
<b>12.5</b>	683	677	673	656	645	637	615	586	551	511
<b>15.0</b>	738	733	725	705	690	680	652	616	575	528
<b>17.5</b>	792	789	779	755	737	727	691	648	600	545
<b>20.0</b>	843	839	832	803	783	772	731	680	625	563
<b>22.5</b>	890	886	878	852	826	817	769	713	650	582
<b>25.0</b>	936	931	924	894	867	857	807	745	675	600
<b>27.5</b>	981	978	967	936	906	894	842	777	701	620
<b>30.0</b>	1025	1021	1009	974	943	930	876	805	724	638
<b>32.5</b>	1070	1063	1049	1011	978	965	906	833	748	658
<b>35.0</b>	1113	1105	1089	1048	1013	998	934	859	772	676
<b>37.5</b>	1160	1151	1132	1086	1048	1031	964	883	796	696
<b>40.0</b>	1226	1215	1191	1132	1086	1068	995	913	822	719
<b>42.5</b>	1313	1301	1271	1201	1144	1118	1034	945	851	744
<b>45.0</b>	1358	1350	1326	1268	1213	1184	1087	984	882	771
<b>47.5</b>	1395	1387	1362	1298	1242	1221	1124	1012	908	799
<b>50.0</b>	1451	1442	1411	1341	1272	1245	1144	1036	936	831
<b>52.5</b>	1517	1506	1479	1398	1321	1291	1175	1063	967	870
<b>55.0</b>	1592	1586	1553	1470	1383	1352	1219	1098	1005	916
<b>57.5</b>	1687	1682	1649	1558	1465	1430	1279	1142	1047	970
<b>60.0</b>	1828	1812	1779	1678	1578	1533	1358	1198	1096	1019
<b>62.5</b>	1971	1958	1943	1841	1729	1678	1478	1271	1129	1050
<b>65.0</b>	2040	2046	2096	2045	1941	1872	1628	1332	1126	1034
<b>67.5</b>	1884	1909	2097	2227	2181	2120	1790	1353	1030	919
<b>70.0</b>	1299	1339	1702	2191	2346	2326	1904	1256	801	692
<b>72.5</b>	675	707	980	1653	2198	2255	1839	954	499	430
<b>75.0</b>	351	355	509	1016	1601	1716	1412	533	256	235
<b>77.5</b>	218	220	298	597	921	987	712	230	126	115
<b>80.0</b>	120	130	181	322	426	440	283	94	69	68
<b>82.5</b>	61	65	92	145	166	172	104	45	37	40
<b>85.0</b>	23	24	36	56	62	63	30	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>	432	432	432	432	432	432	432	432	432	432
<b>2.5</b>	437	434	431	426	421	415	409	404	401	397
<b>5.0</b>	443	435	427	410	391	374	361	349	339	331
<b>7.5</b>	450	436	422	394	363	335	315	297	285	276
<b>10.0</b>	459	439	419	377	336	303	278	258	245	235
<b>12.5</b>	466	441	415	361	312	274	245	224	211	205
<b>15.0</b>	473	443	412	347	289	249	217	203	197	193
<b>17.5</b>	482	447	409	333	271	227	201	193	189	186
<b>20.0</b>	491	451	408	321	253	209	192	185	182	181
<b>22.5</b>	502	456	408	311	238	197	185	178	176	175
<b>25.0</b>	514	463	409	302	226	188	178	173	172	171
<b>27.5</b>	526	471	411	293	213	182	172	168	168	169

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SSW-LED-03L-FT-UNV-DIM-50.IES**

**CANDELA TABULATION - (Cont.)**

30.0	539	479	413	286	203	174	165	163	164	166
32.5	552	487	416	279	194	167	159	157	160	165
35.0	566	497	422	273	185	160	153	152	158	168
37.5	583	509	428	269	177	154	146	147	157	170
40.0	601	523	436	265	168	146	141	144	154	171
42.5	621	540	448	263	161	138	134	138	151	166
45.0	644	559	462	263	154	131	129	134	144	160
47.5	670	582	478	263	147	125	124	127	137	154
50.0	700	610	499	266	140	120	119	121	131	148
52.5	740	645	526	271	132	115	114	115	124	141
55.0	789	689	564	281	126	109	108	109	118	133
57.5	845	744	612	297	122	104	102	103	111	126
60.0	903	803	670	330	122	97	95	96	104	122
62.5	949	859	729	377	127	91	89	89	97	121
65.0	957	885	777	432	150	87	83	84	93	137
67.5	877	845	769	470	191	85	78	80	92	202
70.0	704	711	681	447	200	87	75	75	99	183
72.5	456	495	512	345	154	83	70	70	92	131
75.0	257	283	288	209	103	69	61	66	77	97
77.5	128	133	130	108	70	51	48	59	59	54
80.0	70	67	58	50	42	35	34	46	37	13
82.5	40	37	29	23	22	19	19	29	23	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**

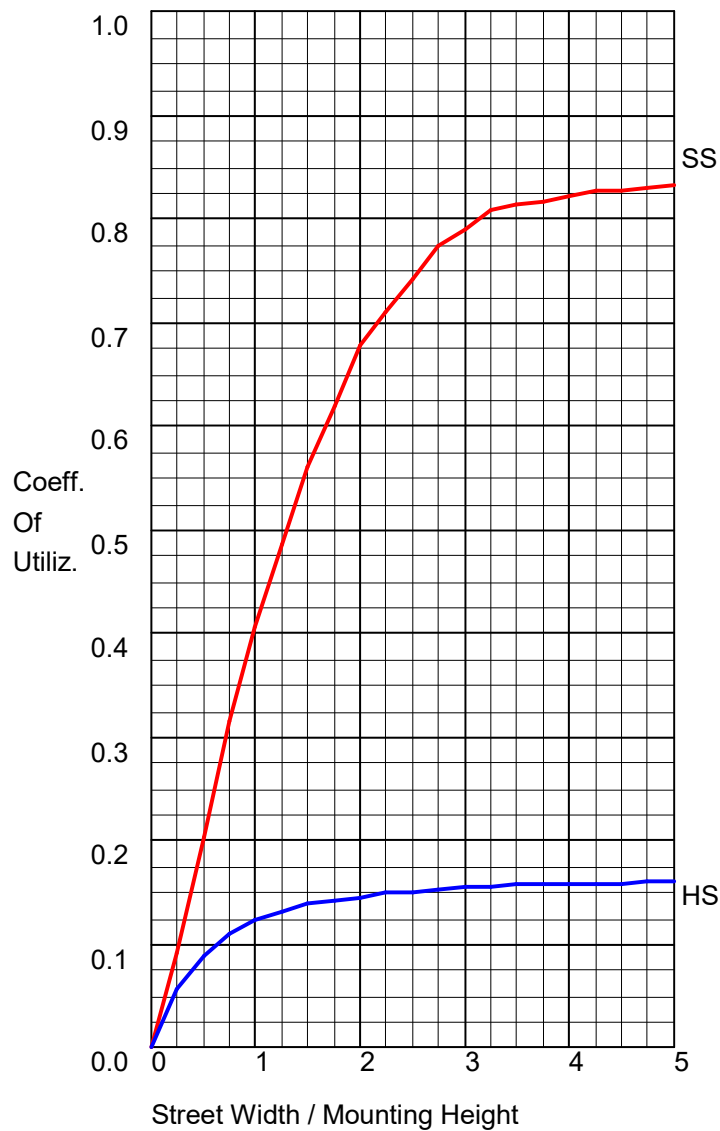
	<u>175.0</u>	<u>180.0</u>
0.0	432	432
2.5	396	393
5.0	328	325
7.5	272	269
10.0	230	228
12.5	202	201
15.0	192	191
17.5	185	185
20.0	180	180
22.5	175	175
25.0	172	172
27.5	170	169
30.0	168	168
32.5	170	170
35.0	176	176
37.5	182	184
40.0	183	184
42.5	177	178
45.0	172	174
47.5	167	169
50.0	162	164
52.5	155	156
55.0	148	149
57.5	143	145
60.0	144	147
62.5	152	159
65.0	250	273

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : SSW-LED-03L-FT-UNV-DIM-50.IES**

**CANDELA TABULATION - (Cont.)**

<b>67.5</b>	291	298
<b>70.0</b>	218	221
<b>72.5</b>	158	161
<b>75.0</b>	122	125
<b>77.5</b>	65	69
<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

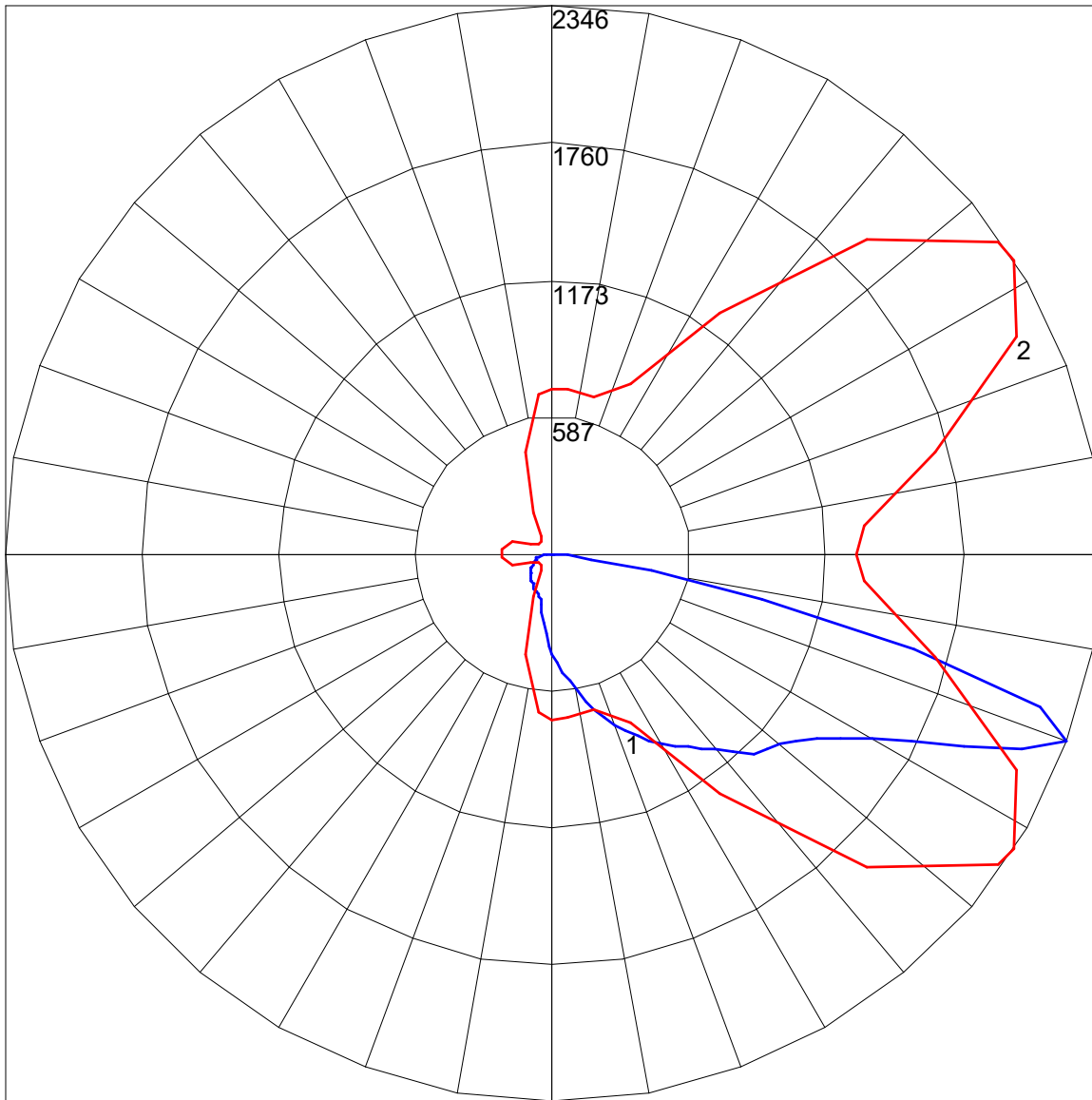
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

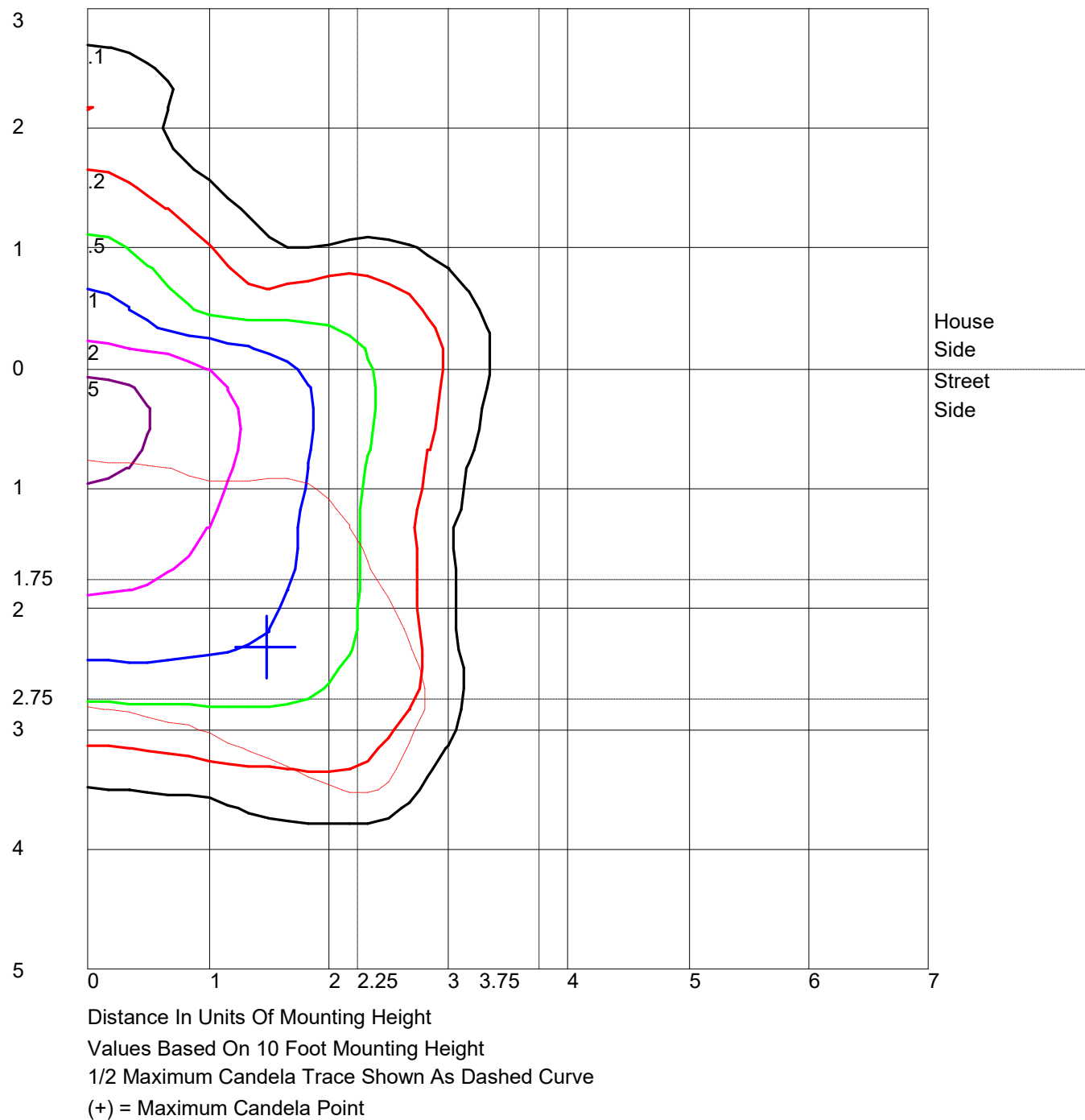
	Lumens	Percent Of Luminaire
Downward Street Side	2704.4	83.9
Downward House Side	519.2	16.1
Downward Total	3223.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3223.6	100.0

POLAR GRAPH



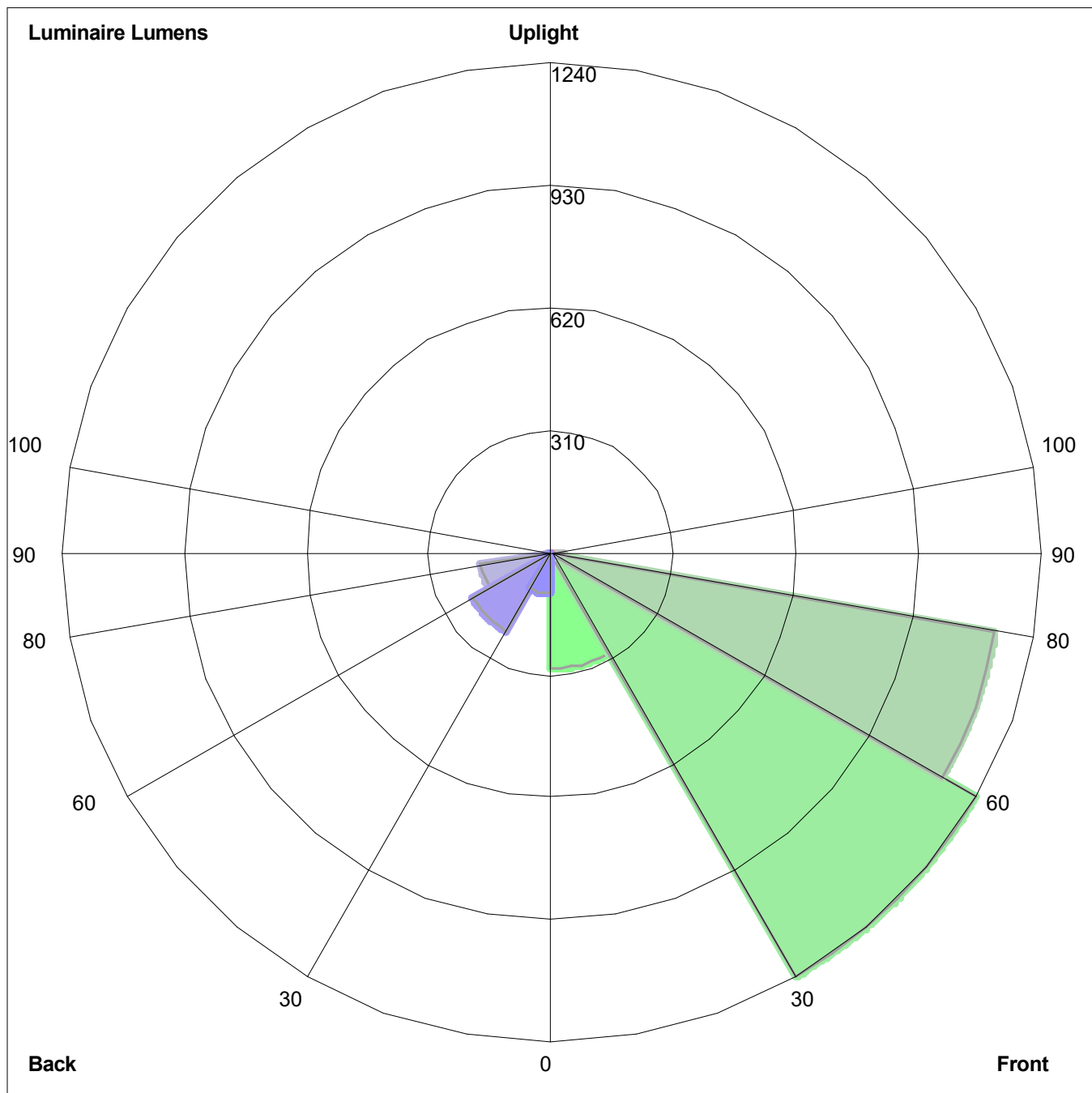
Maximum Candela = 2346 Located At Horizontal Angle = 32.5, Vertical Angle = 70  
# 1 - Vertical Plane Through Horizontal Angles (32.5 - 212.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=294.3, Medium=1239.7, High=1142.5, Very High=27.9  
Back: Low=104.5, Medium=228.5, High=180.3, Very High=5.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1