



IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-03L-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

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SSW-LED-03L-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	3050
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2219
Maximum Candela Angle	32.5H 70V
Maximum Candela (<90 Degrees Vertical)	2219
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	416 (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)	278.4	N.A.	9.1
FM - Front-Medium (30-60)	1172.8	N.A.	38.5
FH - Front-High (60-80)	1080.8	N.A.	35.4
FVH - Front-Very High (80-90)	26.4	N.A.	0.9
BL - Back-Low (0-30)	98.9	N.A.	3.2
BM - Back-Medium (30-60)	216.1	N.A.	7.1
BH - Back-High (60-80)	170.6	N.A.	5.6
BVH - Back-Very High (80-90)	5.6	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	3049.6	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>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	409	409	409	409	409	409	409	409	409	409
2.5	445	443	443	440	438	437	434	432	426	420
5.0	498	494	494	487	482	480	472	463	450	437
7.5	547	543	541	532	524	521	510	493	475	451
10.0	597	593	590	577	568	563	547	524	498	467
12.5	646	640	637	621	610	603	582	554	521	483
15.0	698	694	686	667	653	643	617	583	544	500
17.5	749	746	737	714	697	688	654	613	568	515
20.0	798	794	787	760	740	731	692	643	591	533
22.5	842	838	831	806	781	772	728	674	615	550
25.0	885	881	874	846	820	810	764	705	639	568
27.5	928	925	915	885	857	846	797	735	663	586
30.0	969	966	955	922	892	880	829	762	685	604
32.5	1012	1005	993	957	925	913	857	788	707	622
35.0	1053	1045	1031	992	959	944	884	812	731	640
37.5	1098	1089	1071	1028	992	975	912	836	753	659
40.0	1160	1149	1127	1071	1028	1010	941	864	777	680
42.5	1242	1230	1202	1136	1082	1058	978	894	805	704
45.0	1285	1277	1255	1199	1148	1120	1029	931	835	730
47.5	1320	1312	1289	1228	1175	1155	1064	958	859	756
50.0	1373	1364	1335	1268	1203	1178	1082	980	885	786
52.5	1435	1425	1399	1323	1250	1222	1111	1005	915	823
55.0	1506	1500	1469	1391	1308	1279	1153	1038	951	867
57.5	1596	1591	1560	1474	1386	1353	1210	1080	991	918
60.0	1729	1714	1683	1588	1492	1450	1285	1133	1036	964
62.5	1864	1853	1838	1742	1636	1588	1398	1202	1068	994
65.0	1930	1936	1983	1935	1836	1771	1540	1261	1066	978
67.5	1783	1806	1984	2107	2063	2006	1693	1280	974	869
70.0	1229	1266	1610	2073	2219	2201	1801	1188	758	655
72.5	639	669	927	1563	2080	2133	1740	902	472	407
75.0	332	336	481	961	1515	1623	1336	505	243	222
77.5	207	208	282	565	871	934	673	217	119	109
80.0	114	123	171	305	403	416	268	89	65	64
82.5	57	61	87	137	157	163	98	43	35	38
85.0	21	22	34	53	58	59	28	14	13	14
87.5	1	1	1	1	4	3	3	2	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	409	409	409	409	409	409	409	409	409	409
2.5	413	410	408	403	398	393	387	382	379	376
5.0	419	411	404	388	370	354	342	330	320	313
7.5	426	412	399	373	344	317	298	281	270	261
10.0	434	415	396	357	318	286	263	245	232	222
12.5	441	417	393	342	295	259	232	212	200	194
15.0	447	419	390	328	274	236	206	192	186	182
17.5	456	423	387	315	256	214	190	182	179	176
20.0	465	427	386	304	240	198	181	175	172	171
22.5	475	432	386	294	225	186	175	169	167	166
25.0	486	438	387	285	213	178	169	164	163	162
27.5	498	445	389	278	202	172	163	159	159	160

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CANDELA TABULATION - (Cont.)

30.0	509	453	391	271	192	165	156	154	155	157
32.5	522	461	394	264	183	158	150	148	151	156
35.0	536	471	399	258	175	151	145	144	149	159
37.5	551	481	405	254	168	146	138	139	148	161
40.0	569	495	412	250	159	138	133	136	146	162
42.5	587	510	424	248	152	131	127	131	143	157
45.0	609	529	437	248	146	124	122	127	136	151
47.5	634	550	452	248	139	118	117	120	130	146
50.0	662	577	472	251	132	114	113	115	124	140
52.5	700	610	498	256	125	109	108	109	117	133
55.0	746	652	534	266	119	103	102	103	112	126
57.5	800	704	579	281	115	98	96	97	105	119
60.0	854	760	634	312	115	92	90	91	98	115
62.5	898	812	690	357	120	86	84	84	92	115
65.0	905	837	735	409	142	82	79	80	88	130
67.5	830	800	728	444	180	81	74	76	87	191
70.0	666	672	644	423	189	82	71	71	94	173
72.5	432	469	484	326	146	79	66	66	87	124
75.0	244	268	273	198	97	65	57	62	73	92
77.5	121	126	123	102	66	49	46	56	56	51
80.0	66	63	55	48	40	33	32	44	35	13
82.5	38	35	27	21	20	18	18	27	21	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

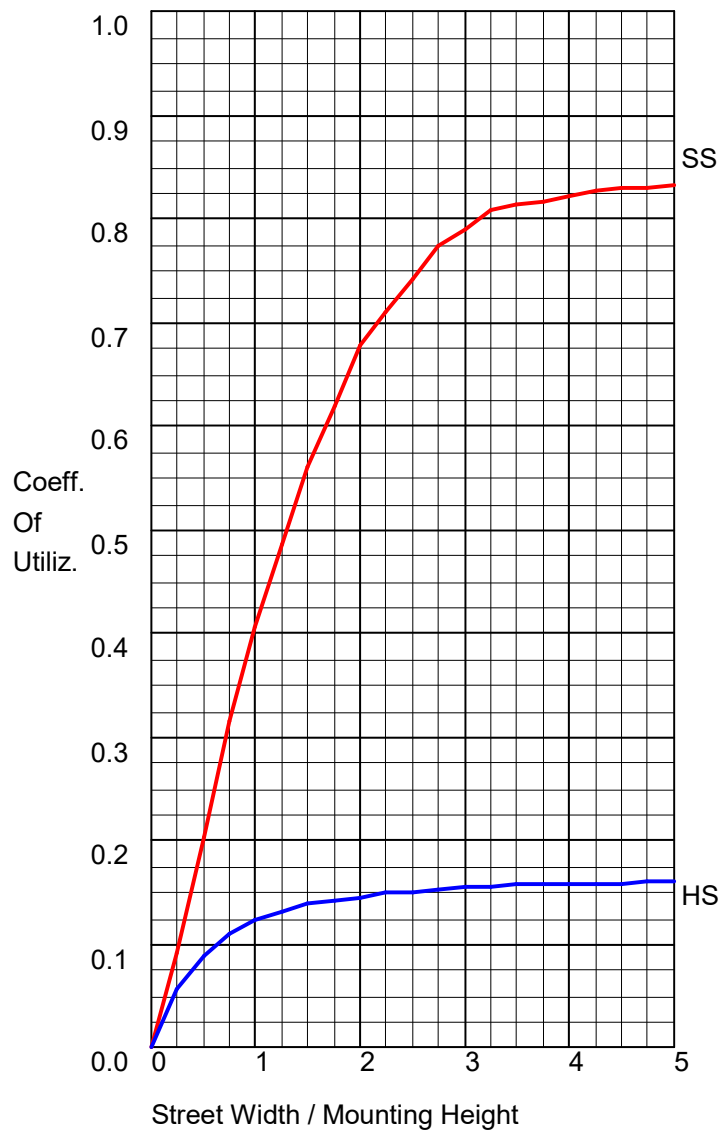
	<u>175.0</u>	<u>180.0</u>
0.0	409	409
2.5	375	372
5.0	311	308
7.5	257	254
10.0	217	215
12.5	191	190
15.0	181	180
17.5	175	175
20.0	170	170
22.5	166	166
25.0	163	163
27.5	161	160
30.0	159	159
32.5	161	161
35.0	167	167
37.5	172	174
40.0	173	174
42.5	168	169
45.0	163	165
47.5	158	160
50.0	153	155
52.5	147	148
55.0	140	141
57.5	135	137
60.0	136	139
62.5	144	150
65.0	237	258

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CANDELA TABULATION - (Cont.)

67.5	276	282
70.0	207	209
72.5	149	152
75.0	115	118
77.5	61	65
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

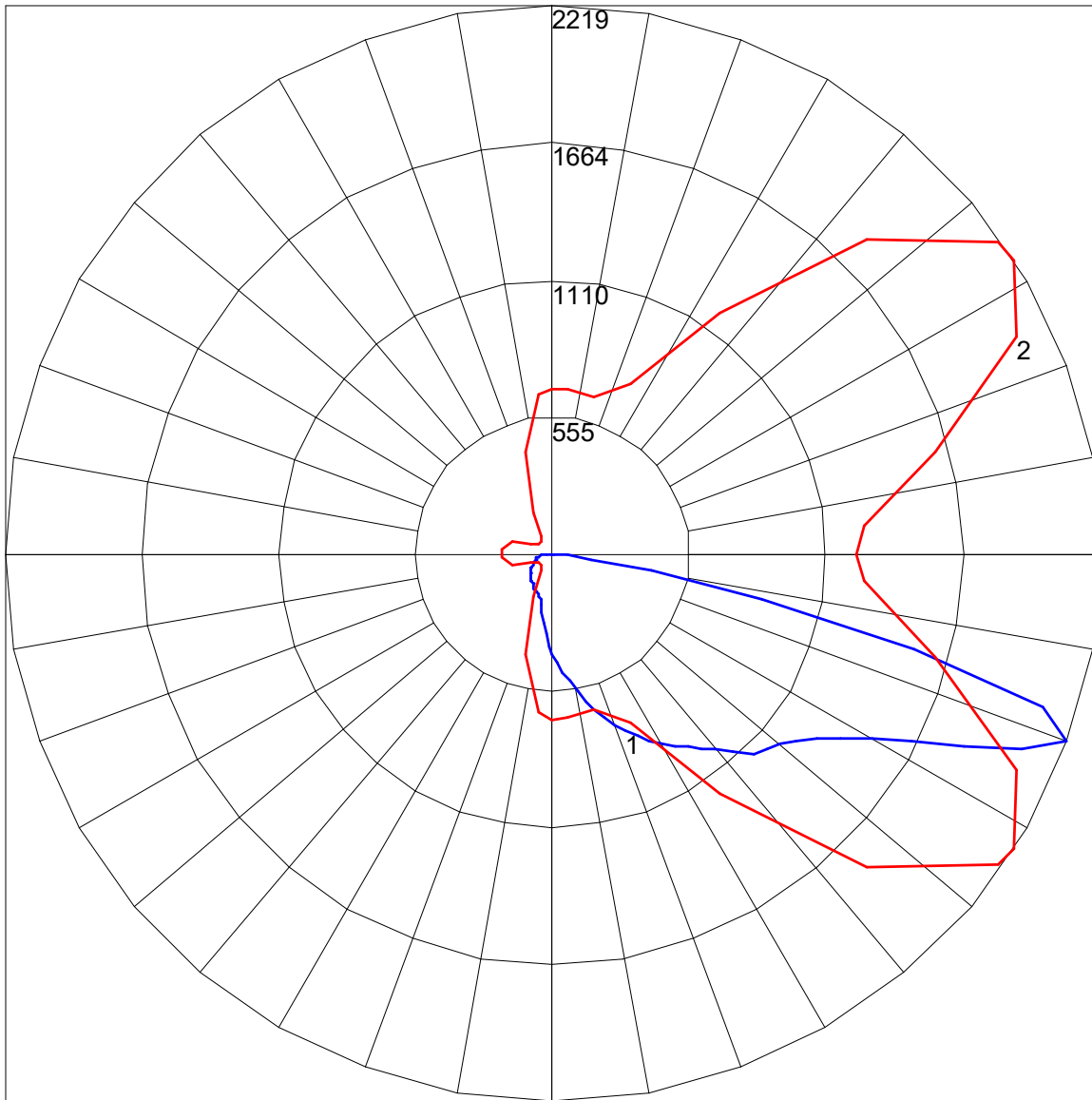
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

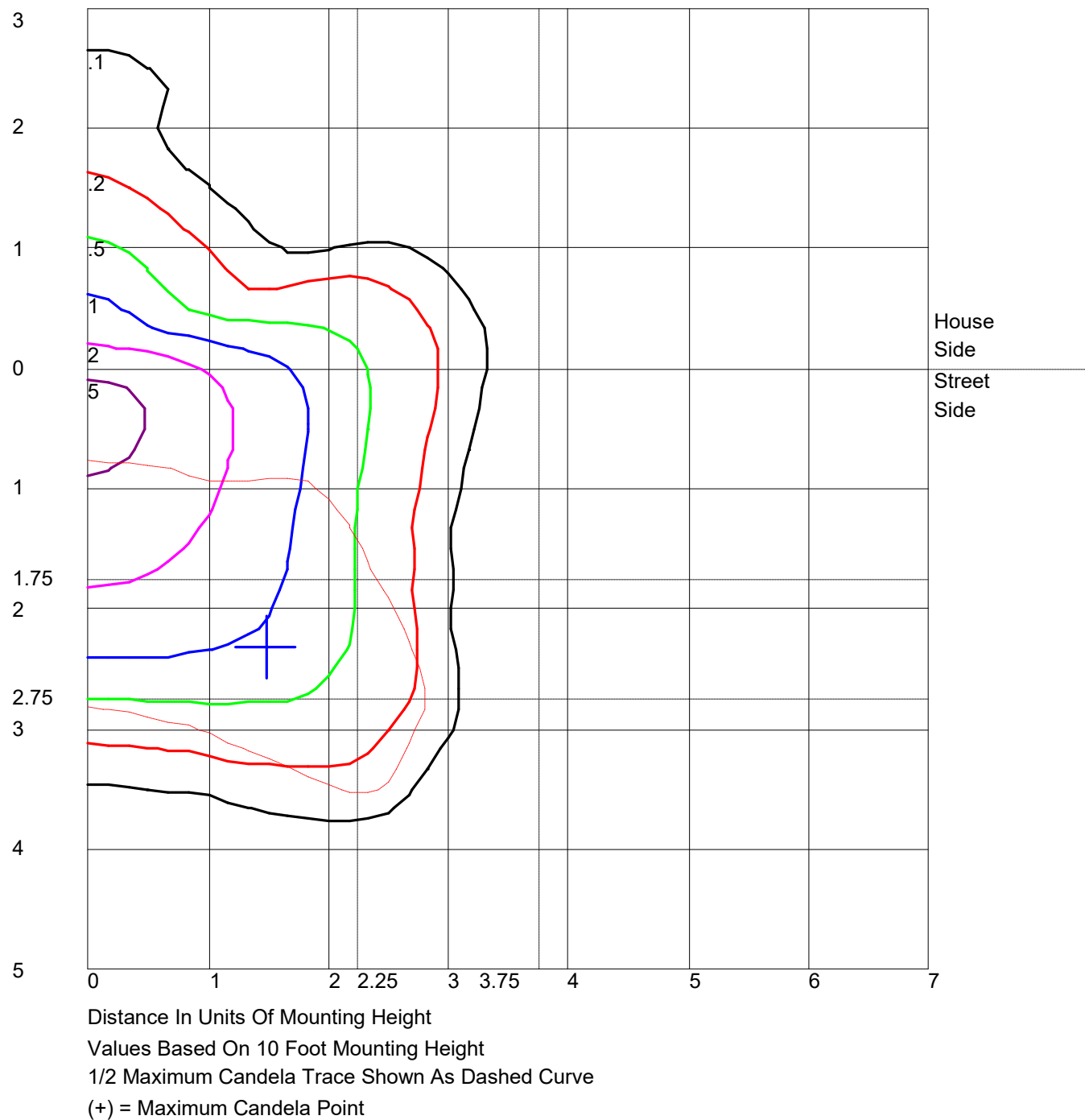
	Lumens	Percent Of Luminaire
Downward Street Side	2558.5	83.9
Downward House Side	491.2	16.1
Downward Total	3049.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3049.7	100.0

POLAR GRAPH

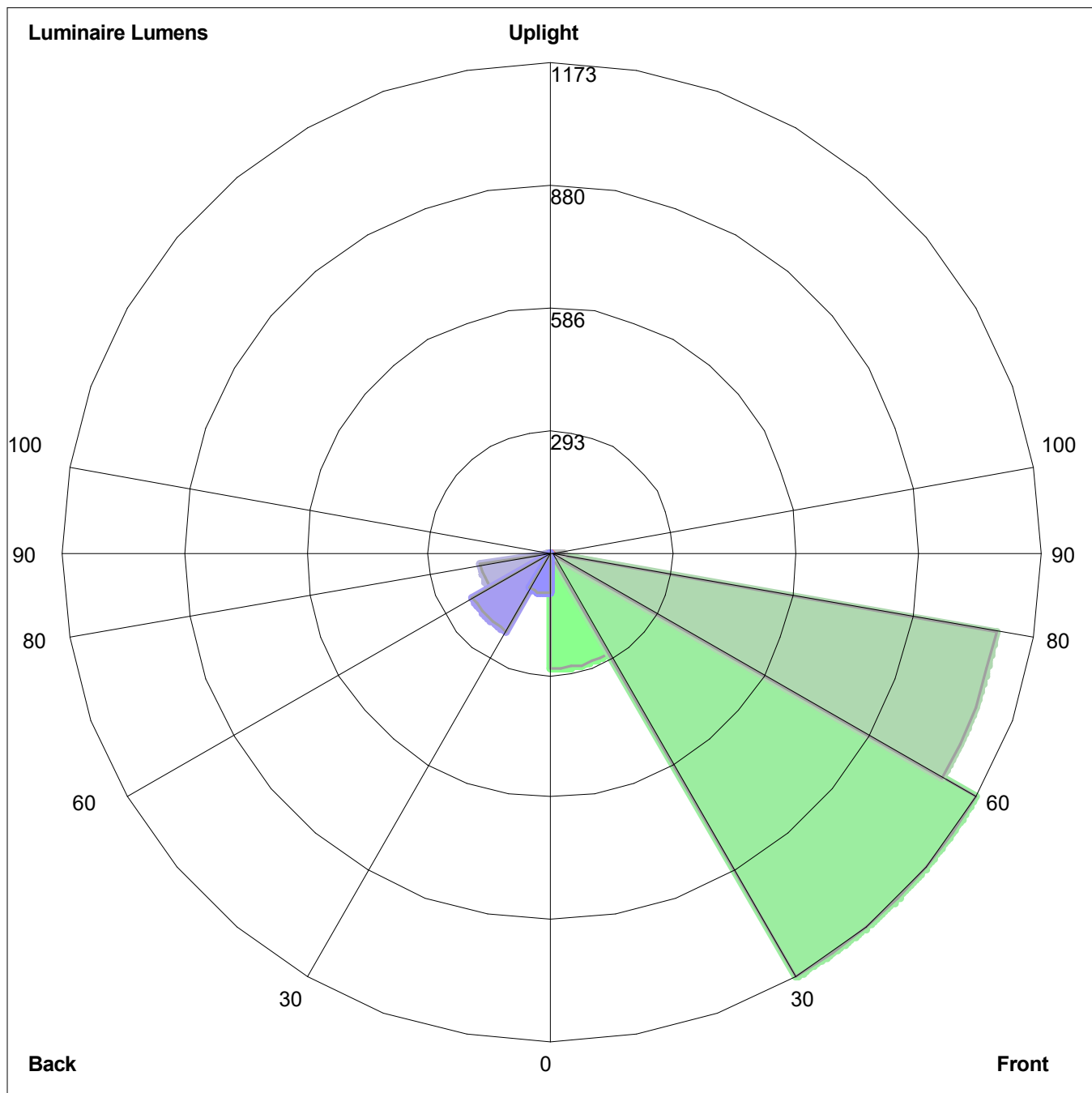


Maximum Candela = 2219 Located At Horizontal Angle = 32.5, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (32.5 - 212.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=278.4, Medium=1172.8, High=1080.8, Very High=26.4
Back: Low=98.9, Medium=216.1, High=170.6, Very High=5.6
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1