



IES ROAD REPORT

PHOTOMETRIC FILENAME : SSW-LED-03L-3-UNV-DIM-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LED-11648

[TESTLAB] LSI INDUSTRIES, INC.

[ISSUE DATE] 5/7/2020

[TEST DATE] 03/27/20

[MANUFAC] LSI INDUSTRIES, INC.

[LUMCAT] SSW-LED-03L-3-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 III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3079
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1986
Maximum Candela Angle	65H 70V
Maximum Candela (<90 Degrees Vertical)	1986
Maximum Candela Angle (<90 Degrees Vertical)	65H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	220 (7.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	352.9	N.A.	11.5
FM - Front-Medium (30-60)	1035.7	N.A.	33.6
FH - Front-High (60-80)	698.1	N.A.	22.7
FVH - Front-Very High (80-90)	15.3	N.A.	0.5
BL - Back-Low (0-30)	237.8	N.A.	7.7
BM - Back-Medium (30-60)	466.7	N.A.	15.2
BH - Back-High (60-80)	266.8	N.A.	8.7
BVH - Back-Very High (80-90)	6.2	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	3079.5	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>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>62.5</u>	<u>65.0</u>	<u>75.0</u>
0.0	750	750	750	750	750	750	750	750	750	750
2.5	766	769	768	767	767	763	763	758	757	756
5.0	791	794	793	790	789	783	779	772	770	764
7.5	814	817	815	811	808	802	795	786	783	771
10.0	835	835	834	829	826	816	808	797	793	778
12.5	851	852	850	846	840	831	820	807	803	785
15.0	864	865	864	858	854	844	832	817	812	791
17.5	872	873	872	868	865	855	841	826	821	797
20.0	874	876	876	874	872	864	851	835	829	803
22.5	874	876	876	875	876	869	858	842	836	808
25.0	876	877	877	877	878	874	866	851	844	815
27.5	873	875	876	876	879	877	872	859	853	822
30.0	868	870	871	873	878	878	876	865	860	829
32.5	862	864	865	868	874	878	879	870	866	835
35.0	859	862	861	862	869	877	882	875	871	842
37.5	861	863	862	859	865	874	886	882	879	852
40.0	864	865	865	861	864	873	889	892	890	864
42.5	869	870	868	865	868	874	895	903	903	879
45.0	885	884	879	872	875	882	903	919	921	901
47.5	899	899	894	887	887	897	917	938	943	929
50.0	899	899	900	904	908	917	939	966	972	966
52.5	861	864	883	910	934	948	974	1004	1015	1020
55.0	752	757	803	886	952	994	1025	1063	1078	1096
57.5	572	568	644	790	947	1047	1099	1152	1170	1205
60.0	353	349	423	602	866	1096	1213	1278	1309	1343
62.5	201	208	233	358	672	1105	1376	1470	1487	1507
65.0	139	142	148	182	417	1008	1543	1685	1710	1677
67.5	108	109	111	120	192	771	1664	1885	1904	1808
70.0	85	85	88	92	112	516	1587	1971	1986	1794
72.5	64	63	67	74	82	280	1203	1766	1809	1557
75.0	52	52	53	57	67	135	687	1196	1270	1071
77.5	42	41	43	47	50	76	276	547	599	535
80.0	31	30	31	33	35	56	102	205	220	219
82.5	19	19	19	21	22	34	44	86	93	89
85.0	8	8	8	9	10	14	16	29	29	25
87.5	1	1	0	0	1	1	2	3	2	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	750	750	750	750	750	750	750	750	750	750
2.5	754	755	754	748	744	741	737	737	735	737
5.0	758	756	752	741	732	725	715	711	705	705
7.5	761	757	750	734	719	705	693	683	674	672
10.0	764	757	747	725	704	685	667	653	640	635
12.5	766	757	744	715	688	662	639	619	601	592
15.0	768	756	740	705	671	639	608	581	559	546
17.5	770	756	737	695	653	612	573	542	515	501
20.0	770	755	733	684	635	584	539	504	473	456
22.5	773	755	729	672	614	556	504	464	433	416
25.0	776	755	726	662	594	527	471	429	397	380
27.5	779	756	723	651	573	500	439	395	365	351

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CANDELA TABULATION - (Cont.)

30.0	782	756	720	639	553	472	409	364	339	331
32.5	785	756	717	627	531	445	379	338	321	317
35.0	790	757	714	615	510	420	353	320	311	310
37.5	796	761	714	605	491	395	331	308	303	305
40.0	805	768	716	596	473	374	315	300	298	302
42.5	818	777	721	589	455	353	304	293	294	300
45.0	836	791	730	583	441	335	295	289	292	299
47.5	860	810	743	580	427	320	287	284	290	299
50.0	894	838	763	579	414	308	282	281	288	298
52.5	942	876	790	583	403	297	278	278	286	297
55.0	1007	932	826	589	391	288	272	274	282	295
57.5	1097	1002	873	599	381	279	265	267	277	288
60.0	1206	1085	929	611	372	271	255	258	265	274
62.5	1327	1173	984	620	359	258	241	242	246	254
65.0	1438	1247	1025	615	340	239	222	217	209	193
67.5	1490	1270	1024	577	307	215	196	174	165	167
70.0	1426	1203	948	505	259	182	158	137	136	135
72.5	1201	1025	796	404	205	147	116	108	102	103
75.0	851	725	577	279	149	95	89	78	70	66
77.5	466	424	334	168	103	65	58	45	38	24
80.0	187	175	144	87	50	37	29	25	16	4
82.5	66	62	51	38	22	16	13	13	8	2
85.0	16	16	13	10	6	4	3	2	1	0
87.5	1	1	1	1	1	0	0	0	0	0
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

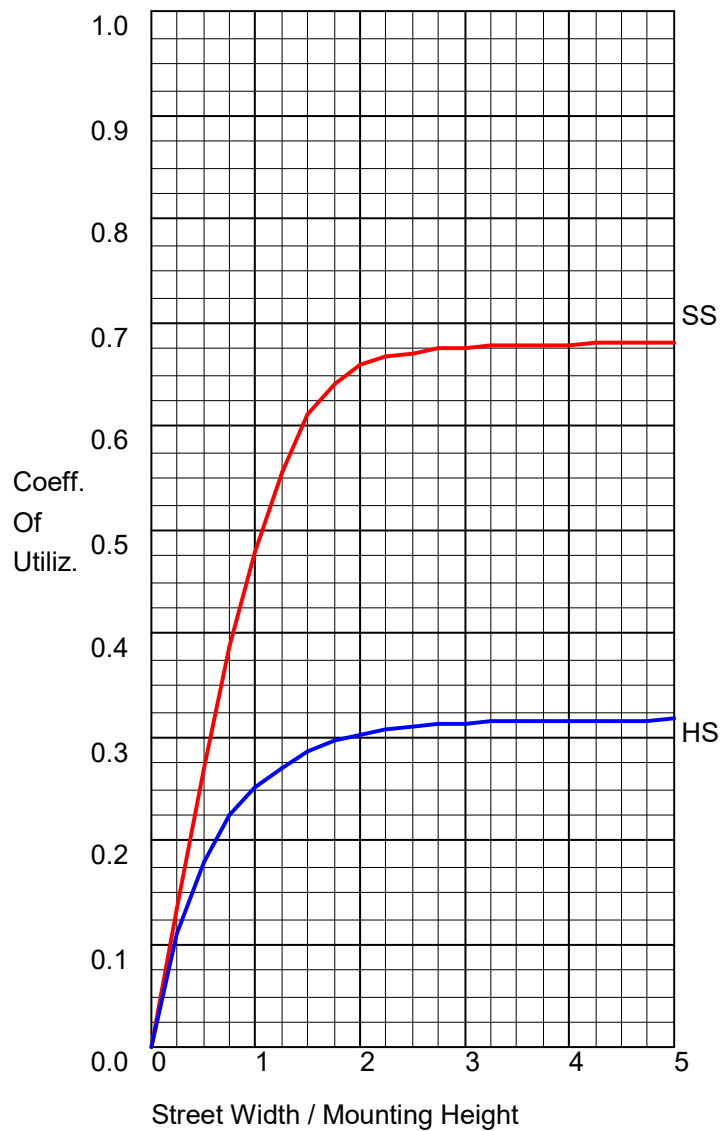
	<u>175.0</u>	<u>180.0</u>
0.0	750	750
2.5	733	734
5.0	700	702
7.5	665	667
10.0	625	623
12.5	581	579
15.0	532	532
17.5	486	486
20.0	443	442
22.5	404	404
25.0	370	369
27.5	343	342
30.0	325	325
32.5	315	315
35.0	309	309
37.5	305	306
40.0	302	303
42.5	302	303
45.0	302	303
47.5	302	303
50.0	303	305
52.5	303	306
55.0	302	304
57.5	294	295
60.0	276	277
62.5	244	246
65.0	192	192

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CANDELA TABULATION - (Cont.)

67.5	166	167
70.0	136	137
72.5	104	106
75.0	64	66
77.5	16	18
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0

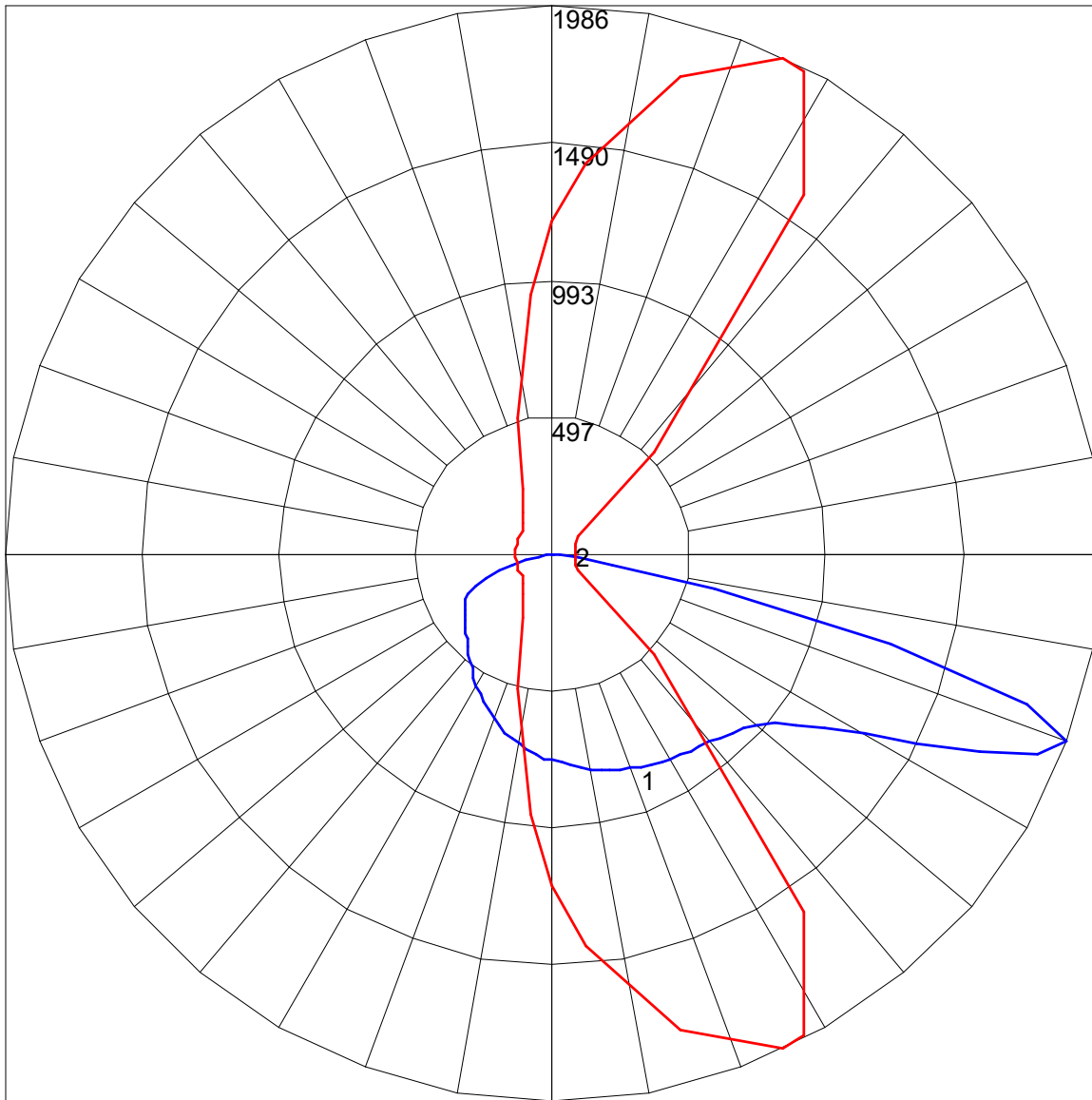
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

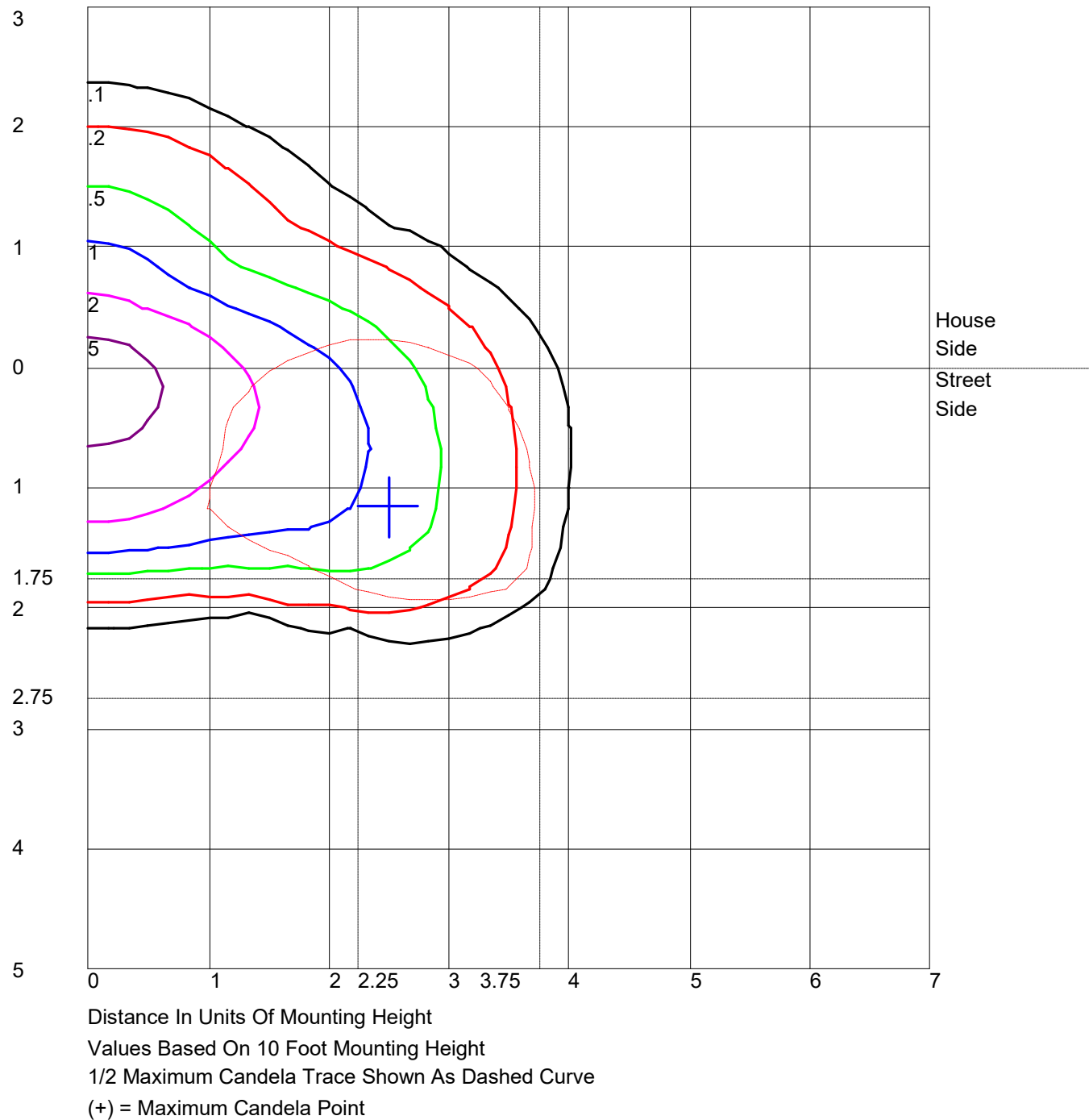
	Lumens	Percent Of Luminaire
Downward Street Side	2102.0	68.3
Downward House Side	977.5	31.7
Downward Total	3079.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3079.5	100.0

POLAR GRAPH

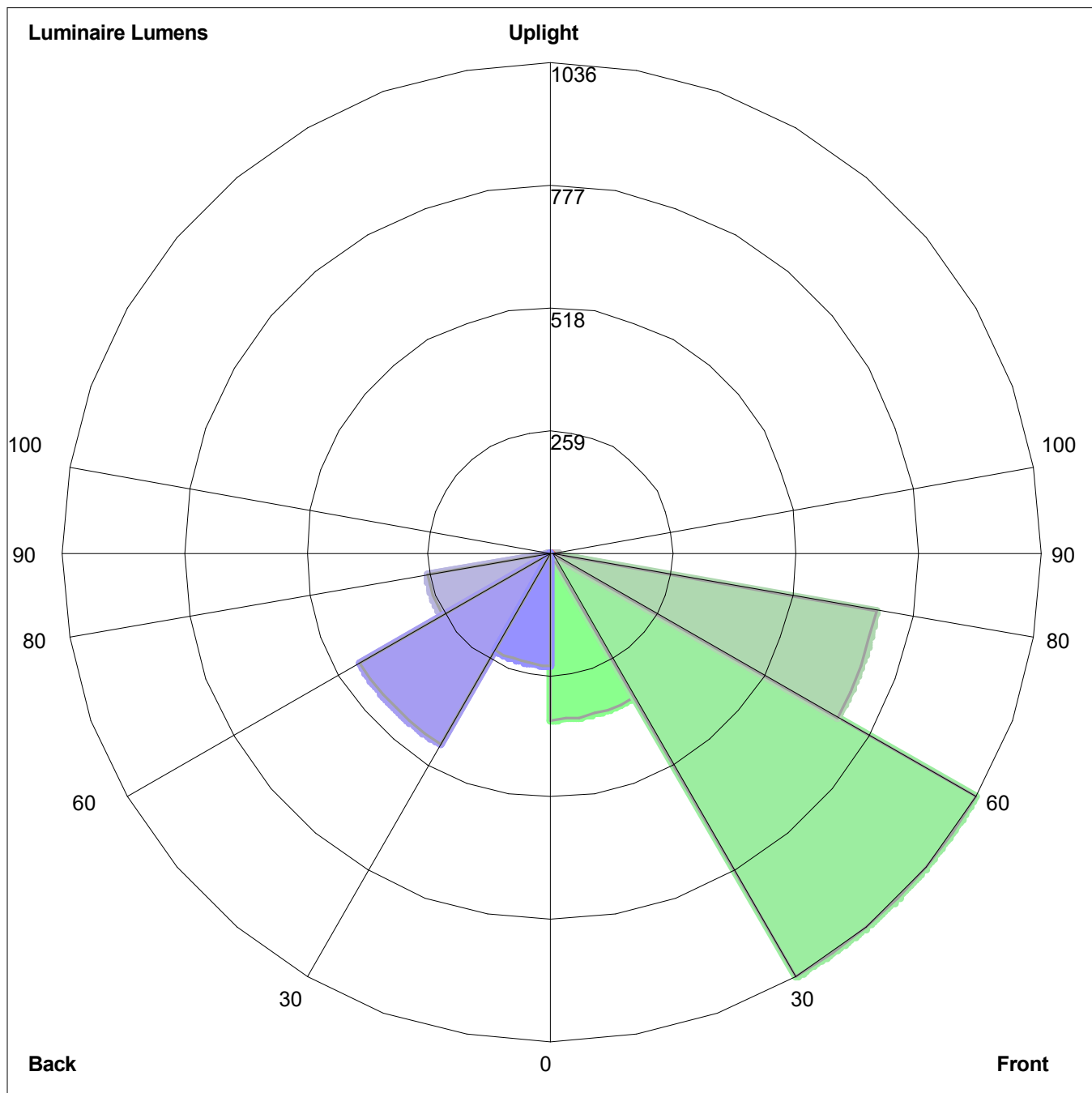


Maximum Candela = 1986 Located At Horizontal Angle = 65, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (65 - 245) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=352.9, Medium=1035.7, High=698.1, Very High=15.3
Back: Low=237.8, Medium=466.7, High=266.8, Very High=6.2
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1