



IES ROAD REPORT
PHOTOMETRIC FILENAME : WLS-LED-03L-30.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 1196849
[TESTLAB] UL Verification Services Inc.
[TESTDATE] 1/29/2016
[ISSUEDATE] 1/7/2019
[MANUFAC] LSI INDUSTRIES, INC
[LUMCAT] WLS-LED-03L-30
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[OTHER] SCALED FROM ORIGINAL TEST DATA
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3132
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	27.56
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1196.335
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	1196.335
Maximum Candela Angle (<90 Degrees Vertical)	0H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	20.296 (0.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	471.7	N.A.	15.1
FM - Front-Medium (30-60)	891.8	N.A.	28.5
FH - Front-High (60-80)	202.6	N.A.	6.5
FVH - Front-Very High (80-90)	2.1	N.A.	0.1
BL - Back-Low (0-30)	469.6	N.A.	15.0
BM - Back-Medium (30-60)	885.3	N.A.	28.3
BH - Back-High (60-80)	205.9	N.A.	6.6
BVH - Back-Very High (80-90)	2.6	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	3131.6	N.A.	100.0
BUG Rating	B1-U0-G0		

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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>60.0</u>	<u>62.5</u>	<u>65.0</u>
0.0	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181
2.5	1196.335	1195.277	1195.854	1195.470	1194.219	1192.488	1192.488	1192.199	1192.199	1191.430
5.0	1195.085	1192.199	1192.680	1192.776	1190.660	1188.832	1190.179	1189.025	1189.121	1189.025
7.5	1190.468	1188.159	1188.448	1188.544	1186.331	1184.889	1185.466	1185.370	1184.985	1184.889
10.0	1185.658	1182.676	1182.195	1182.003	1179.983	1179.021	1179.406	1178.829	1178.732	1178.155
12.5	1177.963	1173.346	1173.730	1173.923	1172.288	1171.614	1171.229	1170.364	1170.075	1169.690
15.0	1166.805	1161.514	1162.572	1162.476	1161.322	1160.071	1160.071	1159.109	1158.340	1158.147
17.5	1153.915	1147.566	1147.951	1148.528	1147.662	1146.027	1146.989	1145.739	1145.161	1144.969
20.0	1138.524	1131.021	1131.406	1131.598	1130.348	1129.194	1129.867	1130.059	1129.482	1128.713
22.5	1121.883	1111.879	1112.456	1112.552	1110.821	1109.378	1110.244	1110.821	1110.340	1109.763
25.0	1101.106	1090.717	1091.679	1090.813	1089.274	1088.408	1088.889	1089.274	1088.986	1088.889
27.5	1077.539	1067.150	1068.304	1067.920	1066.669	1065.611	1066.092	1066.092	1065.900	1065.515
30.0	1051.663	1041.659	1042.814	1042.910	1041.467	1040.601	1040.313	1040.505	1040.505	1040.409
32.5	1024.249	1012.417	1014.245	1014.822	1013.475	1012.417	1012.225	1011.840	1011.744	1011.455
35.0	993.371	980.385	982.117	983.367	982.309	981.443	980.770	981.155	980.097	979.712
37.5	958.261	944.890	946.333	947.199	946.333	946.718	944.890	945.564	944.698	944.410
40.0	919.881	907.760	908.145	909.107	908.145	907.760	906.991	907.280	906.414	906.125
42.5	883.135	869.669	869.861	869.861	868.610	868.707	868.514	868.707	868.418	867.745
45.0	843.216	829.268	829.461	830.519	828.114	827.729	828.499	829.076	827.729	827.921
47.5	797.813	784.154	786.270	788.098	785.309	783.962	785.789	786.174	784.347	784.731
50.0	730.768	708.740	732.692	740.579	739.329	738.271	739.618	740.291	739.425	739.233
52.5	606.296	593.599	613.126	672.091	689.694	690.175	689.309	689.790	688.636	687.001
55.0	557.046	544.445	544.348	553.679	627.458	638.424	633.999	626.592	614.665	604.564
57.5	510.970	497.407	497.792	497.792	511.355	575.226	554.641	541.655	539.250	539.539
60.0	460.566	445.656	448.349	448.926	448.734	485.768	485.479	486.345	485.672	486.056
62.5	343.019	333.496	349.945	393.520	395.540	370.723	425.359	422.858	417.087	410.450
65.0	296.270	286.747	287.228	289.922	332.246	320.030	335.901	345.905	344.847	344.077
67.5	245.192	224.607	237.209	244.038	228.359	260.006	249.713	277.032	278.956	277.224
70.0	169.393	161.410	161.794	173.145	183.918	175.069	192.768	189.690	200.848	212.872
72.5	103.310	97.923	108.600	119.374	113.506	126.203	132.456	138.131	134.572	136.785
75.0	56.561	53.675	60.601	66.084	69.450	73.106	79.647	86.188	88.208	85.899
77.5	19.335	18.276	20.489	25.683	33.186	37.996	42.036	43.767	43.960	46.268
80.0	8.850	8.176	8.369	9.523	10.581	13.178	16.353	16.930	17.122	17.411
82.5	4.906	4.521	4.521	4.617	4.713	5.002	5.387	5.675	5.675	5.868
85.0	2.405	2.212	2.212	2.212	2.309	2.309	2.309	2.405	2.405	2.501
87.5	1.347	1.154	1.154	1.154	1.058	1.058	0.962	1.058	1.058	1.058
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.
Angles**

Horizontal Angles

	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
0.0	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181
2.5	1191.237	1191.622	1191.622	1191.718	1192.295	1192.584	1192.680	1193.257	1193.931	1193.738
5.0	1188.640	1188.544	1188.736	1188.929	1189.121	1188.448	1189.410	1189.698	1190.852	1191.045
7.5	1184.600	1184.408	1184.985	1184.696	1184.504	1184.985	1185.273	1186.043	1186.524	1186.331
10.0	1177.963	1177.674	1177.770	1178.251	1178.251	1178.155	1178.251	1178.444	1179.117	1178.925
12.5	1168.921	1168.825	1168.921	1168.921	1168.921	1168.536	1169.017	1169.594	1170.267	1170.075
15.0	1158.436	1157.474	1157.570	1157.570	1157.666	1157.859	1157.859	1158.147	1159.302	1159.109
17.5	1144.392	1144.007	1143.622	1144.200	1144.200	1144.103	1144.200	1144.007	1144.969	1145.739
20.0	1127.943	1127.751	1127.270	1127.174	1127.462	1126.596	1127.366	1127.558	1128.616	1128.616
22.5	1109.474	1109.186	1108.224	1108.224	1108.031	1107.454	1108.031	1108.128	1109.282	1109.571
25.0	1088.793	1087.831	1087.831	1087.927	1086.773	1086.581	1086.773	1086.869	1087.735	1087.927
27.5	1065.803	1064.938	1064.649	1065.034	1063.783	1063.206	1063.783	1064.072	1064.360	1065.322
30.0	1040.409	1040.601	1039.832	1039.254	1038.870	1038.004	1038.293	1038.293	1039.543	1040.601
32.5	1012.609	1012.417	1011.840	1011.551	1010.493	1009.724	1009.820	1010.301	1011.359	1012.417
35.0	980.097	980.578	980.289	979.904	979.327	977.788	978.077	978.846	980.000	981.155
37.5	944.410	944.313	944.313	944.987	944.313	942.967	942.870	943.351	944.217	946.141
40.0	906.414	906.414	907.087	907.472	907.280	906.125	905.644	905.644	906.799	908.530
42.5	868.418	868.514	868.033	869.765	869.765	868.803	866.975	867.360	868.610	869.188
45.0	828.114	828.402	828.306	829.076	830.134	828.787	827.440	827.344	828.402	829.268
47.5	786.174	785.212	785.309	786.270	786.944	785.597	783.866	784.058	784.058	784.924
50.0	737.982	737.790	737.309	738.367	738.463	738.078	736.251	734.327	733.750	735.577
52.5	684.596	680.171	672.380	667.666	663.626	660.163	654.969	651.602	649.967	650.063
55.0	597.542	594.080	590.905	589.655	590.136	590.328	589.655	589.366	588.885	588.885
57.5	540.020	539.154	538.385	538.673	539.635	539.635	540.020	540.597	538.866	538.481
60.0	486.826	484.613	481.439	477.784	474.706	471.916	469.608	469.223	465.279	465.183
62.5	404.967	401.600	398.907	397.560	397.368	397.464	397.079	397.945	395.925	395.251
65.0	344.462	344.174	343.789	341.769	340.326	337.729	334.362	335.709	333.689	332.534
67.5	276.070	271.838	268.086	267.605	268.278	266.932	265.970	267.317	266.355	264.623
70.0	212.006	209.024	206.908	207.293	207.678	205.658	203.830	205.369	203.349	202.099
72.5	147.943	148.135	146.788	146.885	147.077	146.788	146.019	146.500	145.730	145.057
75.0	85.033	89.554	94.268	95.614	96.192	96.095	95.230	95.326	94.460	93.979
77.5	48.865	47.134	46.653	48.769	49.539	49.154	48.673	49.058	48.769	48.288

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CANDELA TABULATION - (Cont.)

80.0	17.892	17.603	17.026	16.834	17.699	17.411	17.026	17.314	17.314	17.026
82.5	6.060	5.964	6.060	6.252	6.349	6.156	6.156	6.252	6.252	6.252
85.0	2.501	2.501	2.597	2.597	2.693	2.693	2.693	2.693	2.693	2.693
87.5	1.154	1.058	1.058	1.154	1.250	1.154	1.154	1.154	1.250	1.154
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>
0.0	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181
2.5	1193.642	1193.546	1193.065	1192.680	1192.199	1191.718	1191.526	1190.852	1190.660	1191.045
5.0	1190.275	1190.179	1190.083	1189.698	1189.313	1188.544	1188.159	1187.774	1187.582	1187.678
7.5	1186.428	1186.620	1186.428	1185.466	1184.889	1183.927	1183.927	1183.542	1182.965	1182.965
10.0	1179.309	1179.790	1178.829	1178.251	1178.059	1176.712	1176.712	1176.039	1175.558	1175.366
12.5	1169.979	1170.075	1169.113	1168.921	1168.055	1167.189	1166.420	1166.420	1166.324	1166.612
15.0	1158.821	1159.398	1157.955	1157.474	1156.801	1155.358	1154.877	1154.588	1154.492	1154.588
17.5	1145.450	1145.161	1144.681	1143.622	1142.276	1141.314	1140.833	1140.352	1140.448	1140.833
20.0	1127.847	1128.328	1127.366	1126.404	1125.635	1124.673	1124.192	1123.518	1123.903	1123.711
22.5	1109.474	1109.090	1108.320	1107.358	1106.492	1105.819	1105.146	1105.531	1104.665	1104.569
25.0	1088.601	1087.446	1086.581	1086.196	1085.426	1084.753	1084.368	1083.791	1083.310	1083.791

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLS-LED-03L-30.IES

CANDELA TABULATION - (Cont.)

27.5	1065.322	1064.457	1063.399	1062.918	1062.052	1061.763	1061.571	1060.705	1060.417	1060.224
30.0	1039.735	1039.351	1037.715	1037.427	1036.657	1035.792	1036.176	1035.311	1035.022	1034.349
32.5	1012.417	1010.782	1009.820	1009.243	1008.377	1007.992	1007.223	1007.126	1006.549	1005.684
35.0	981.732	980.193	978.365	977.788	977.499	977.211	976.634	976.730	974.902	973.940
37.5	946.237	943.832	942.967	942.870	942.582	941.620	941.812	941.043	940.177	938.734
40.0	908.530	906.221	904.971	905.452	904.394	903.913	903.432	902.085	901.604	900.835
42.5	869.091	867.552	866.783	866.879	866.879	865.917	864.955	863.993	863.416	862.454
45.0	829.172	826.863	826.286	826.094	825.998	825.132	823.689	823.785	823.016	822.631
47.5	785.309	783.962	782.423	783.769	783.769	781.846	781.557	781.172	780.307	779.826
50.0	735.866	734.327	734.616	735.193	735.000	733.654	734.423	734.808	734.423	734.135
52.5	652.083	652.083	655.642	659.394	663.722	667.570	675.073	680.652	682.864	683.442
55.0	589.366	589.559	589.943	589.174	588.500	587.635	588.981	591.771	597.062	606.007
57.5	539.250	540.020	539.443	538.192	537.519	535.499	535.980	536.846	536.653	536.076
60.0	467.299	469.511	469.992	472.301	475.956	477.976	481.920	485.383	485.287	484.036
62.5	396.021	397.175	396.117	395.444	396.021	396.406	398.811	402.466	406.602	413.047
65.0	334.170	336.575	336.575	338.306	341.288	342.346	343.789	344.751	344.270	343.789
67.5	265.585	266.162	265.777	265.777	267.701	268.182	270.491	274.916	277.513	278.379
70.0	204.696	204.503	204.215	206.331	208.159	208.063	210.852	214.604	214.507	210.756
72.5	146.115	146.115	145.730	146.596	148.135	148.328	150.828	151.983	147.558	139.670
75.0	95.037	95.518	95.518	96.480	97.154	96.288	94.941	91.767	89.651	90.613
77.5	48.577	49.058	49.058	49.827	50.885	50.885	50.693	51.847	50.789	48.288
80.0	17.603	17.988	17.988	18.373	19.623	19.431	19.527	20.296	19.912	19.719
82.5	6.445	6.541	6.445	6.637	6.926	6.733	6.830	6.926	6.830	6.733
85.0	2.790	2.790	2.790	2.886	2.982	2.886	2.982	2.982	2.982	2.982
87.5	1.154	1.250	1.250	1.250	1.347	1.250	1.347	1.347	1.347	1.347
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLS-LED-03L-30.IES

CANDELA TABULATION - (Cont.)

167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

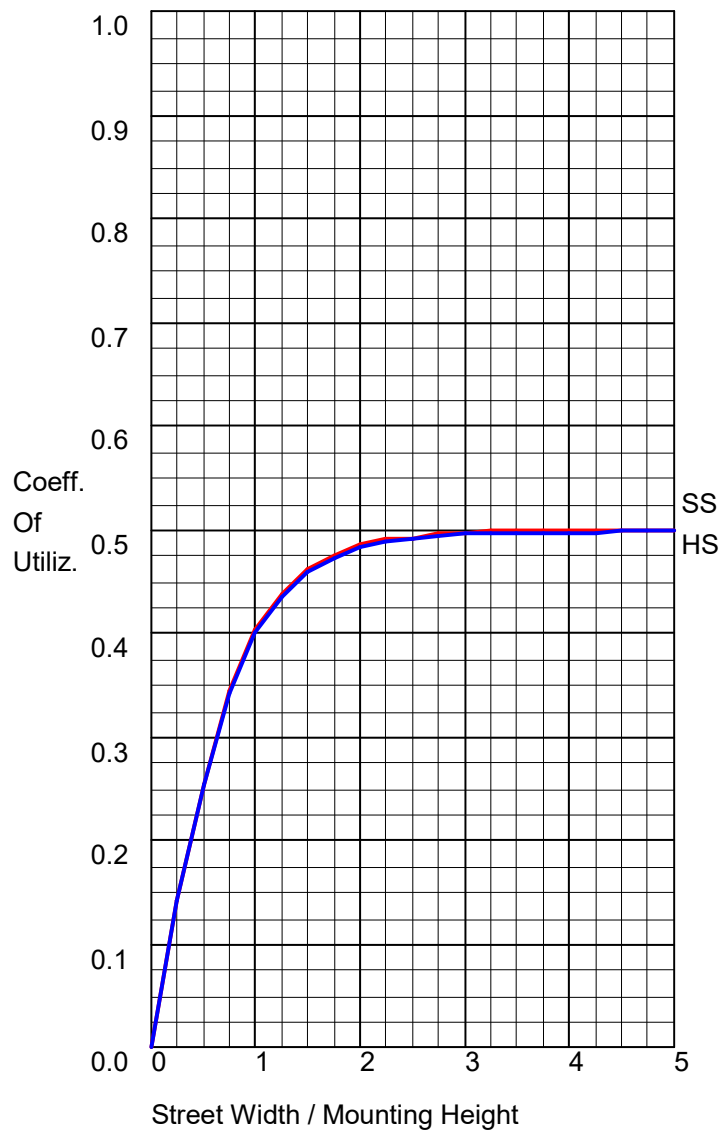
	117.5	120.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
0.0	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181	1195.181
2.5	1191.333	1191.622	1191.622	1191.718	1193.161	1194.412	1193.546	1193.546	1190.756
5.0	1187.774	1187.774	1188.063	1187.871	1189.121	1191.141	1190.468	1189.506	1185.754
7.5	1183.157	1182.484	1183.350	1182.580	1183.927	1185.177	1185.273	1184.504	1180.945
10.0	1175.750	1175.943	1176.039	1175.558	1177.001	1177.963	1178.059	1177.482	1172.961
12.5	1166.708	1166.516	1167.189	1167.478	1168.440	1169.306	1169.498	1168.728	1162.957
15.0	1154.781	1154.973	1155.165	1156.320	1157.089	1157.089	1156.704	1156.512	1149.682
17.5	1140.929	1140.256	1141.314	1141.891	1142.180	1142.757	1141.699	1141.314	1134.003
20.0	1123.999	1124.480	1124.769	1124.673	1124.673	1125.442	1124.480	1123.807	1115.053
22.5	1105.146	1104.953	1104.953	1105.338	1104.376	1105.050	1104.472	1104.857	1094.276
25.0	1083.791	1083.984	1082.733	1083.022	1082.733	1083.310	1083.022	1083.310	1071.863
27.5	1060.417	1060.417	1059.166	1059.743	1059.166	1059.262	1059.743	1059.839	1048.008
30.0	1034.637	1034.445	1033.964	1035.118	1033.483	1033.675	1034.252	1033.483	1022.613
32.5	1005.780	1005.972	1005.299	1007.030	1005.780	1005.587	1005.780	1005.299	993.275
35.0	973.940	974.037	973.748	976.153	974.325	974.614	974.037	973.844	960.762
37.5	939.215	939.119	938.638	941.043	939.119	938.734	938.157	937.772	924.402
40.0	900.931	901.123	900.546	903.143	901.123	901.316	899.873	899.584	885.444
42.5	862.069	862.647	861.492	863.897	862.069	861.877	861.492	861.300	847.641
45.0	822.919	823.304	821.861	822.342	820.707	821.669	819.745	819.841	804.643
47.5	780.884	781.076	780.018	779.729	778.287	777.517	772.226	769.533	752.219
50.0	735.770	736.155	735.289	733.846	732.788	724.804	715.281	705.758	679.305
52.5	685.750	686.520	685.750	685.654	678.728	660.644	612.933	592.637	572.244
55.0	618.993	628.228	630.729	631.113	615.049	551.948	541.559	541.751	527.900
57.5	537.134	539.924	557.719	565.318	511.836	495.579	495.676	496.445	481.343
60.0	484.421	483.844	482.978	485.479	449.215	447.484	446.906	447.484	432.189
62.5	421.993	425.359	419.973	374.185	399.869	396.310	360.141	340.518	320.414
65.0	344.077	343.019	337.921	321.953	337.825	294.731	287.998	288.190	277.320
67.5	280.206	277.513	252.214	267.413	234.708	245.673	244.519	240.671	223.742
70.0	201.425	193.538	196.616	181.995	188.439	181.610	163.333	163.718	155.830
72.5	138.324	141.498	138.805	131.975	123.318	124.568	118.700	111.678	93.787
75.0	92.248	88.881	83.879	80.224	76.665	69.547	70.701	65.699	53.579
77.5	46.461	47.519	46.653	42.421	37.322	32.513	27.415	26.260	18.373
80.0	20.104	19.815	19.719	17.314	14.621	12.601	11.735	11.351	9.812
82.5	6.733	6.926	6.830	6.541	6.349	6.156	6.060	6.156	5.579
85.0	2.982	2.982	2.982	3.174	3.271	3.367	3.367	3.367	2.982
87.5	1.347	1.250	1.347	1.443	1.539	1.635	1.731	1.731	1.539
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLS-LED-03L-30.IES

CANDELA TABULATION - (Cont.)

115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

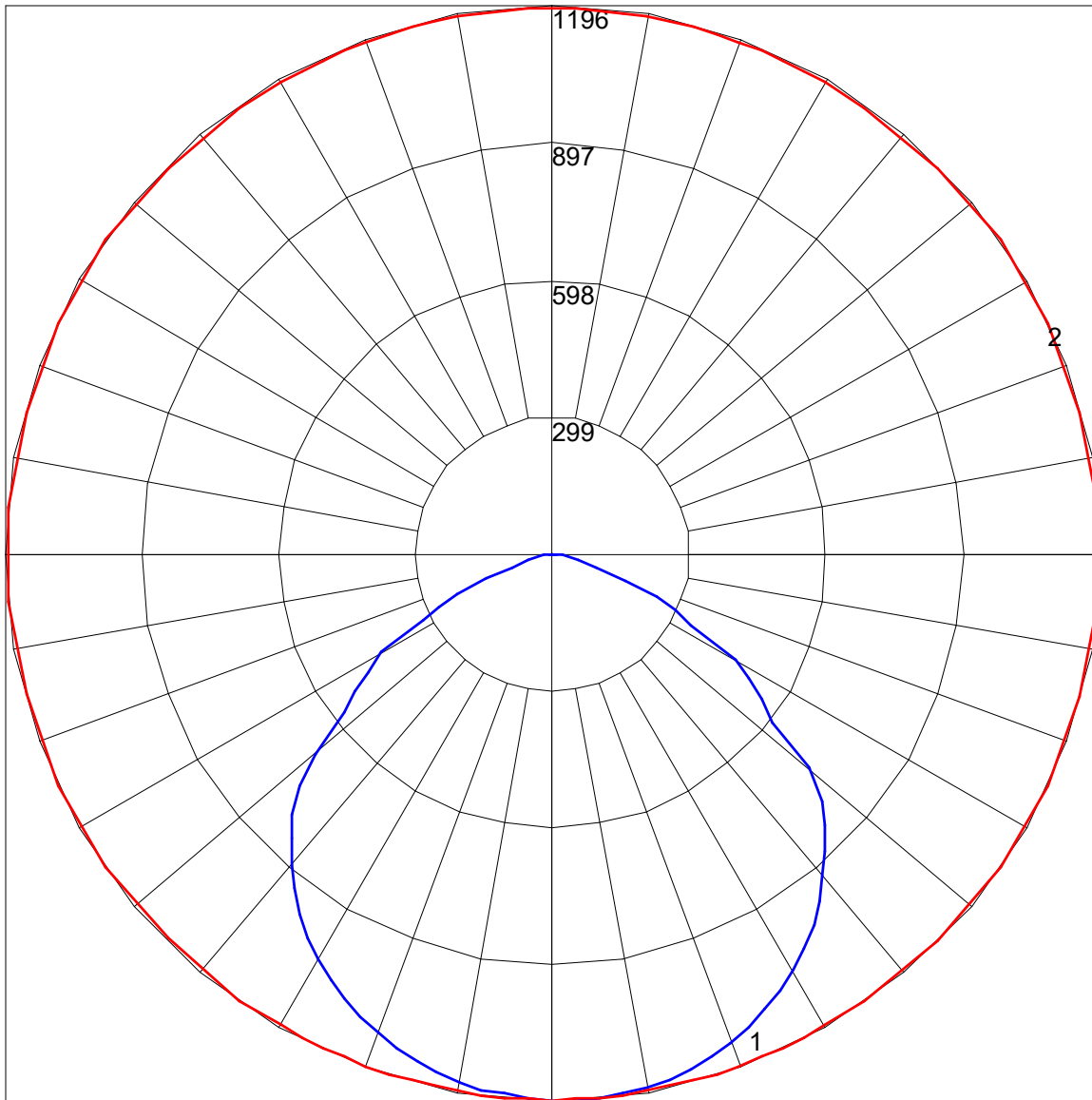
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

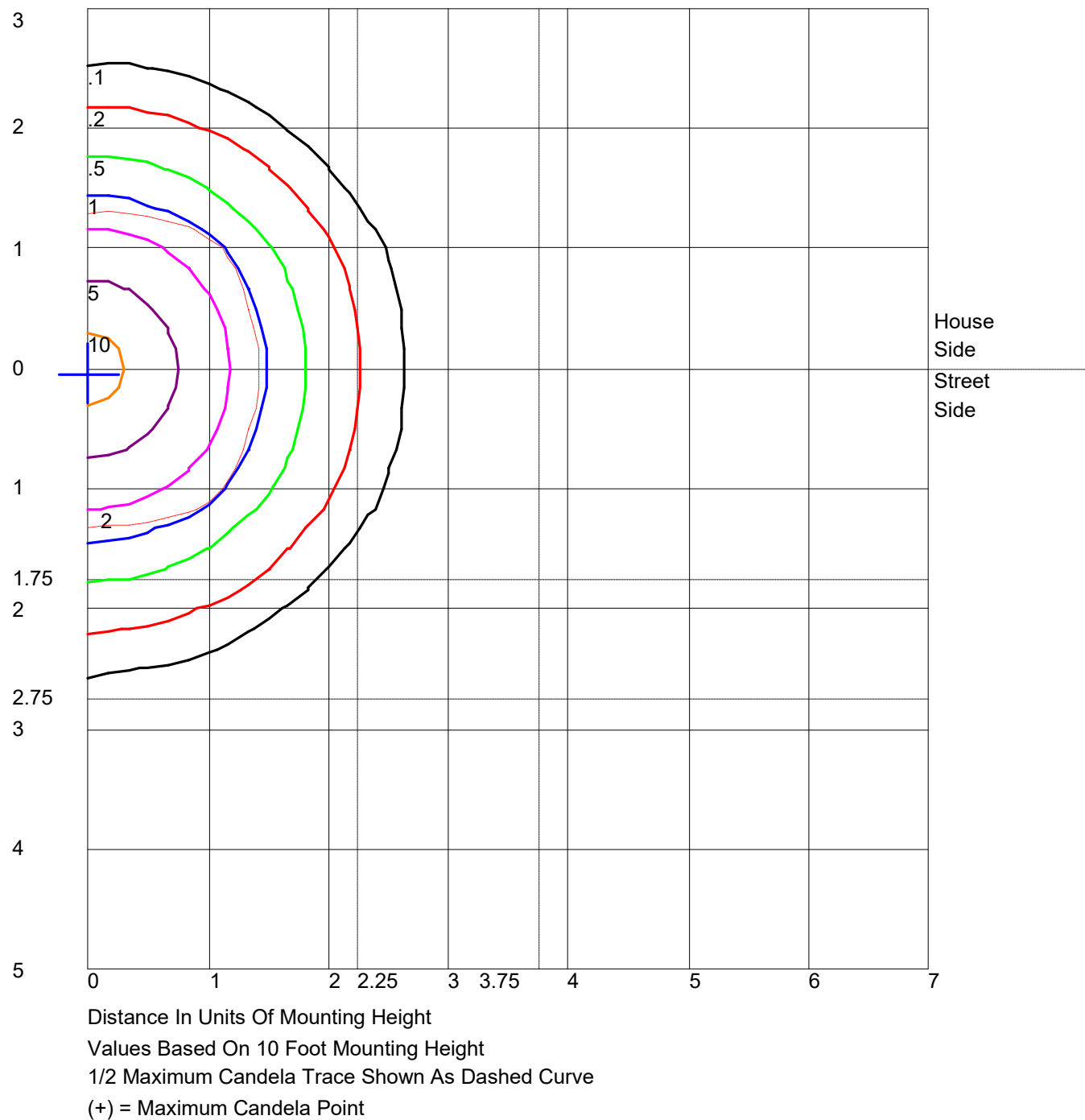
	Lumens	Percent Of Luminaire
Downward Street Side	1568.2	50.1
Downward House Side	1563.4	49.9
Downward Total	3131.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3131.6	100.0

POLAR GRAPH

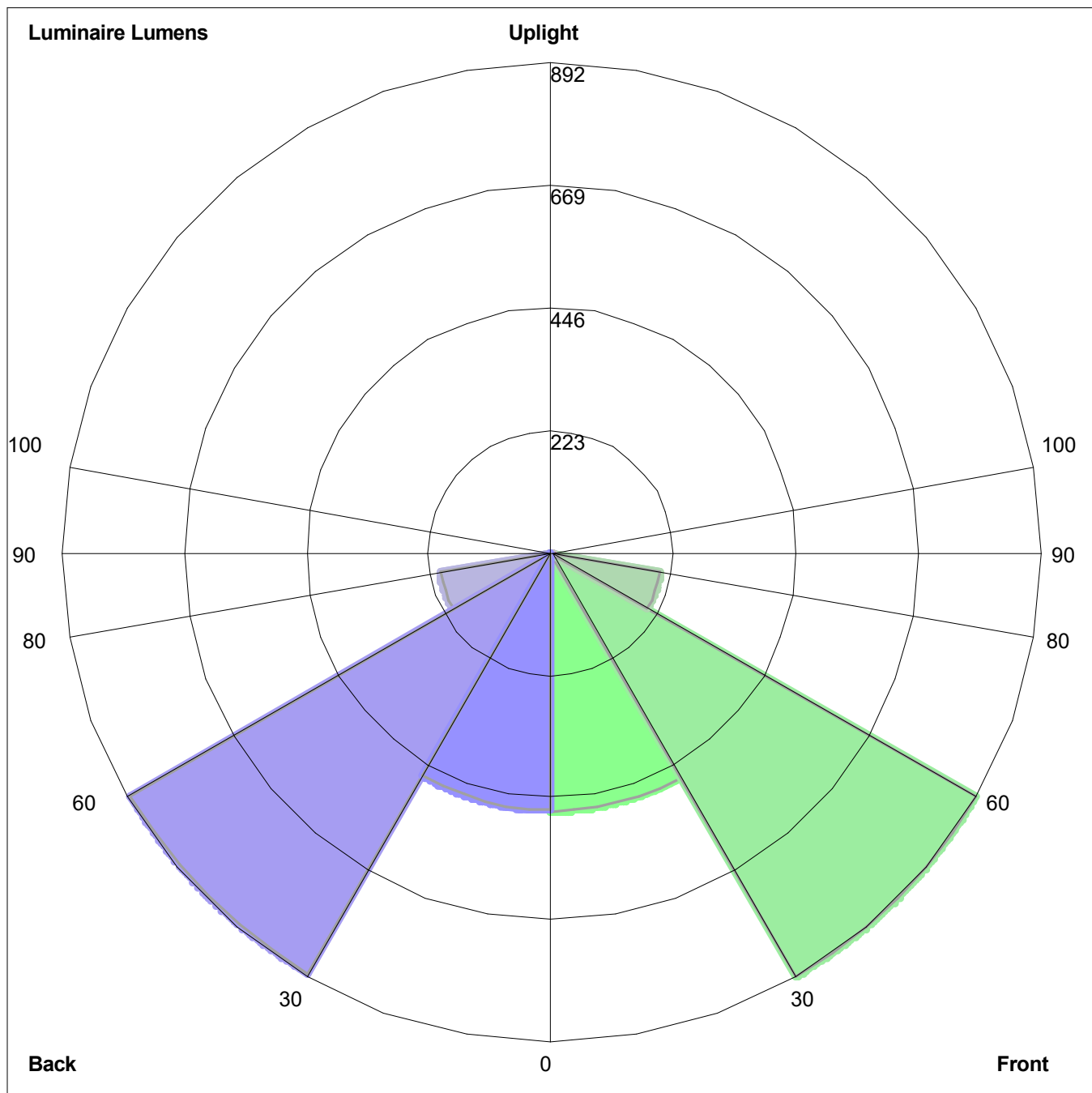


Maximum Candela = 1196.335 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=471.7, Medium=891.8, High=202.6, Very High=2.1
Back: Low=469.6, Medium=885.3, High=205.9, Very High=2.6
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0