



IES ROAD REPORT
PHOTOMETRIC FILENAME : WLS-LED-03L-50.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-50
[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	3261
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	27.56
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1245.61
Maximum Candela Angle	0H 2.5V
Maximum Candela (<90 Degrees Vertical)	1245.61
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	21.132 (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)	491.1	N.A.	15.1
FM - Front-Medium (30-60)	928.6	N.A.	28.5
FH - Front-High (60-80)	211.0	N.A.	6.5
FVH - Front-Very High (80-90)	2.2	N.A.	0.1
BL - Back-Low (0-30)	488.9	N.A.	15.0
BM - Back-Medium (30-60)	921.7	N.A.	28.3
BH - Back-High (60-80)	214.4	N.A.	6.6
BVH - Back-Very High (80-90)	2.7	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	3260.6	N.A.	100.0
BUG Rating	B1-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	60.0	62.5	65.0
0.0	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408
2.5	1245.610	1244.509	1245.110	1244.709	1243.407	1241.604	1241.604	1241.304	1241.304	1240.503
5.0	1244.308	1241.304	1241.805	1241.905	1239.701	1237.798	1239.201	1237.999	1238.099	1237.999
7.5	1239.501	1237.097	1237.398	1237.498	1235.194	1233.692	1234.293	1234.193	1233.792	1233.692
10.0	1234.493	1231.389	1230.888	1230.687	1228.584	1227.583	1227.983	1227.382	1227.282	1226.681
12.5	1226.481	1221.674	1222.074	1222.275	1220.572	1219.871	1219.470	1218.569	1218.268	1217.868
15.0	1214.863	1209.355	1210.456	1210.356	1209.154	1207.852	1207.852	1206.851	1206.050	1205.849
17.5	1201.443	1194.832	1195.233	1195.834	1194.933	1193.230	1194.232	1192.930	1192.329	1192.128
20.0	1185.418	1177.606	1178.007	1178.207	1176.905	1175.703	1176.404	1176.605	1176.004	1175.202
22.5	1168.091	1157.675	1158.276	1158.377	1156.574	1155.071	1155.973	1156.574	1156.073	1155.472
25.0	1146.458	1135.642	1136.643	1135.742	1134.139	1133.238	1133.739	1134.139	1133.839	1133.739
27.5	1121.921	1111.104	1112.306	1111.905	1110.603	1109.502	1110.002	1110.002	1109.802	1109.401
30.0	1094.979	1084.563	1085.765	1085.865	1084.363	1083.462	1083.161	1083.362	1083.362	1083.261
32.5	1066.436	1054.117	1056.020	1056.620	1055.218	1054.117	1053.916	1053.516	1053.416	1053.115
35.0	1034.286	1020.766	1022.568	1023.870	1022.769	1021.867	1021.166	1021.567	1020.465	1020.064
37.5	997.730	983.809	985.311	986.213	985.311	985.712	983.809	984.510	983.609	983.308
40.0	957.769	945.150	945.550	946.552	945.550	945.150	944.348	944.649	943.747	943.447
42.5	919.510	905.489	905.689	905.689	904.387	904.487	904.287	904.487	904.187	903.486
45.0	877.946	863.424	863.625	864.726	862.222	861.822	862.623	863.224	861.822	862.022
47.5	830.674	816.452	818.656	820.558	817.654	816.252	818.155	818.555	816.652	817.053
50.0	760.867	737.932	762.870	771.083	769.781	768.679	770.081	770.782	769.881	769.680
52.5	631.268	618.048	638.379	699.773	718.101	718.602	717.701	718.201	717.000	715.297
55.0	579.990	566.869	566.769	576.484	653.302	664.719	660.112	652.401	639.982	629.465
57.5	532.016	517.894	518.295	518.295	532.417	598.919	577.486	563.965	561.461	561.762
60.0	479.535	464.012	466.816	467.417	467.217	505.776	505.475	506.377	505.676	506.076
62.5	357.148	347.233	364.359	409.728	411.832	385.992	442.879	440.275	434.266	427.355
65.0	308.473	298.558	299.059	301.863	345.931	333.211	349.736	360.152	359.051	358.249
67.5	255.292	233.859	246.979	254.090	237.765	270.715	259.999	288.442	290.445	288.643
70.0	176.370	168.058	168.458	180.276	191.494	182.280	200.708	197.503	209.121	221.640
72.5	107.565	101.956	113.073	124.291	118.181	131.402	137.912	143.821	140.115	142.418
75.0	58.890	55.886	63.097	68.806	72.311	76.117	82.927	89.738	91.841	89.437
77.5	20.131	19.029	21.333	26.741	34.553	39.561	43.767	45.570	45.770	48.174
80.0	9.214	8.513	8.713	9.915	11.017	13.721	17.026	17.627	17.827	18.128
82.5	5.108	4.707	4.707	4.807	4.908	5.208	5.609	5.909	5.909	6.109
85.0	2.504	2.304	2.304	2.304	2.404	2.404	2.404	2.504	2.504	2.604
87.5	1.402	1.202	1.202	1.202	1.102	1.102	1.002	1.102	1.102	1.102
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	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408
2.5	1240.302	1240.703	1240.703	1240.803	1241.404	1241.704	1241.805	1242.405	1243.106	1242.906
5.0	1237.598	1237.498	1237.698	1237.899	1238.099	1237.398	1238.399	1238.700	1239.902	1240.102
7.5	1233.392	1233.191	1233.792	1233.492	1233.291	1233.792	1234.093	1234.894	1235.395	1235.194
10.0	1226.481	1226.181	1226.281	1226.781	1226.781	1226.681	1226.781	1226.982	1227.683	1227.483
12.5	1217.067	1216.966	1217.067	1217.067	1217.067	1216.666	1217.167	1217.768	1218.469	1218.268
15.0	1206.150	1205.148	1205.248	1205.248	1205.349	1205.549	1205.549	1205.849	1207.051	1206.851
17.5	1191.527	1191.127	1190.726	1191.327	1191.327	1191.227	1191.327	1191.127	1192.128	1192.930
20.0	1174.401	1174.201	1173.700	1173.600	1173.900	1172.999	1173.800	1174.001	1175.102	1175.102
22.5	1155.172	1154.871	1153.870	1153.870	1153.669	1153.068	1153.669	1153.769	1154.971	1155.272
25.0	1133.639	1132.637	1132.637	1132.737	1131.535	1131.335	1131.535	1131.636	1132.537	1132.737
27.5	1109.702	1108.801	1108.500	1108.901	1107.599	1106.998	1107.599	1107.899	1108.200	1109.201
30.0	1083.261	1083.462	1082.660	1082.060	1081.659	1080.758	1081.058	1081.058	1082.360	1083.462
32.5	1054.317	1054.117	1053.516	1053.215	1052.114	1051.312	1051.413	1051.913	1053.015	1054.117
35.0	1020.465	1020.966	1020.665	1020.265	1019.664	1018.061	1018.362	1019.163	1020.365	1021.567
37.5	983.308	983.208	983.208	983.909	983.208	981.806	981.706	982.206	983.108	985.111
40.0	943.747	943.747	944.448	944.849	944.649	943.447	942.946	942.946	944.148	945.951
42.5	904.187	904.287	903.786	905.589	905.589	904.587	902.684	903.085	904.387	904.988
45.0	862.222	862.523	862.423	863.224	864.326	862.923	861.521	861.421	862.523	863.424
47.5	818.555	817.554	817.654	818.656	819.357	817.954	816.152	816.352	816.352	817.253
50.0	768.378	768.178	767.677	768.779	768.879	768.479	766.576	764.573	763.972	765.875
52.5	712.793	708.186	700.074	695.166	690.960	687.354	681.946	678.440	676.738	676.838
55.0	622.154	618.549	615.244	613.942	614.442	614.643	613.942	613.641	613.140	613.140
57.5	562.262	561.361	560.560	560.860	561.862	561.862	562.262	562.863	561.060	560.660
60.0	506.877	504.574	501.269	497.463	494.258	491.354	488.950	488.549	484.443	484.343
62.5	421.647	418.141	415.337	413.935	413.735	413.835	413.434	414.335	412.232	411.531
65.0	358.650	358.350	357.949	355.846	354.343	351.639	348.134	349.536	347.433	346.231
67.5	287.441	283.034	279.128	278.627	279.328	277.926	276.925	278.327	277.325	275.523
70.0	220.739	217.634	215.430	215.831	216.232	214.128	212.225	213.828	211.725	210.423
72.5	154.036	154.237	152.834	152.935	153.135	152.834	152.033	152.534	151.733	151.032
75.0	88.536	93.243	98.151	99.553	100.154	100.053	99.152	99.252	98.351	97.850
77.5	50.878	49.075	48.574	50.778	51.579	51.178	50.678	51.078	50.778	50.277

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CANDELA TABULATION - (Cont.)

80.0	18.629	18.328	17.727	17.527	18.428	18.128	17.727	18.028	18.028	17.727
82.5	6.310	6.210	6.310	6.510	6.610	6.410	6.410	6.510	6.510	6.510
85.0	2.604	2.604	2.704	2.704	2.804	2.804	2.804	2.804	2.804	2.804
87.5	1.202	1.102	1.102	1.202	1.302	1.202	1.202	1.202	1.302	1.202
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	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408
2.5	1242.806	1242.706	1242.205	1241.805	1241.304	1240.803	1240.603	1239.902	1239.701	1240.102
5.0	1239.301	1239.201	1239.100	1238.700	1238.299	1237.498	1237.097	1236.697	1236.496	1236.597
7.5	1235.295	1235.495	1235.295	1234.293	1233.692	1232.691	1232.691	1232.290	1231.689	1231.689
10.0	1227.883	1228.384	1227.382	1226.781	1226.581	1225.179	1225.179	1224.478	1223.977	1223.777
12.5	1218.168	1218.268	1217.267	1217.067	1216.165	1215.264	1214.463	1214.463	1214.362	1214.663
15.0	1206.550	1207.151	1205.649	1205.148	1204.447	1202.945	1202.444	1202.144	1202.044	1202.144
17.5	1192.629	1192.329	1191.828	1190.726	1189.324	1188.322	1187.822	1187.321	1187.421	1187.822
20.0	1174.301	1174.802	1173.800	1172.799	1171.997	1170.996	1170.495	1169.794	1170.195	1169.994
22.5	1155.172	1154.771	1153.970	1152.968	1152.067	1151.366	1150.665	1151.065	1150.164	1150.064
25.0	1133.438	1132.236	1131.335	1130.934	1130.133	1129.432	1129.032	1128.431	1127.930	1128.431

IES ROAD REPORT
PHOTOMETRIC FILENAME : WLS-LED-03L-50.IES

CANDELA TABULATION - (Cont.)

27.5	1109.201	1108.300	1107.198	1106.697	1105.796	1105.495	1105.295	1104.394	1104.093	1103.893
30.0	1082.560	1082.160	1080.457	1080.157	1079.355	1078.454	1078.855	1077.953	1077.653	1076.952
32.5	1054.117	1052.414	1051.413	1050.812	1049.910	1049.510	1048.708	1048.608	1048.007	1047.106
35.0	1022.168	1020.565	1018.662	1018.061	1017.761	1017.460	1016.860	1016.960	1015.057	1014.055
37.5	985.211	982.707	981.806	981.706	981.405	980.404	980.604	979.803	978.901	977.399
40.0	945.951	943.547	942.245	942.746	941.644	941.143	940.643	939.240	938.740	937.938
42.5	904.888	903.285	902.484	902.584	902.584	901.583	900.581	899.580	898.979	897.977
45.0	863.324	860.920	860.319	860.119	860.019	859.118	857.615	857.715	856.914	856.514
47.5	817.654	816.252	814.649	816.052	816.052	814.048	813.748	813.347	812.446	811.945
50.0	766.175	764.573	764.873	765.474	765.274	763.872	764.673	765.073	764.673	764.372
52.5	678.941	678.941	682.647	686.553	691.060	695.066	702.878	708.687	710.990	711.591
55.0	613.641	613.841	614.242	613.441	612.740	611.838	613.240	616.145	621.653	630.968
57.5	561.461	562.262	561.661	560.359	559.658	557.555	558.056	558.957	558.757	558.156
60.0	486.546	488.850	489.350	491.754	495.560	497.663	501.770	505.375	505.275	503.973
62.5	412.332	413.534	412.433	411.731	412.332	412.733	415.237	419.043	423.349	430.060
65.0	347.934	350.437	350.437	352.240	355.345	356.447	357.949	358.951	358.450	357.949
67.5	276.524	277.125	276.724	276.724	278.727	279.228	281.632	286.239	288.943	289.845
70.0	213.127	212.927	212.626	214.829	216.732	216.632	219.537	223.443	223.343	219.437
72.5	152.133	152.133	151.733	152.634	154.237	154.437	157.041	158.243	153.636	145.423
75.0	98.952	99.453	99.453	100.454	101.155	100.254	98.852	95.547	93.343	94.345
77.5	50.578	51.078	51.078	51.880	52.981	52.981	52.781	53.983	52.881	50.277
80.0	18.328	18.729	18.729	19.129	20.431	20.231	20.331	21.132	20.732	20.531
82.5	6.710	6.810	6.710	6.911	7.211	7.011	7.111	7.211	7.111	7.011
85.0	2.904	2.904	2.904	3.005	3.105	3.005	3.105	3.105	3.105	3.105
87.5	1.202	1.302	1.302	1.302	1.402	1.302	1.402	1.402	1.402	1.402
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
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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. Angles **Horizontal Angles**

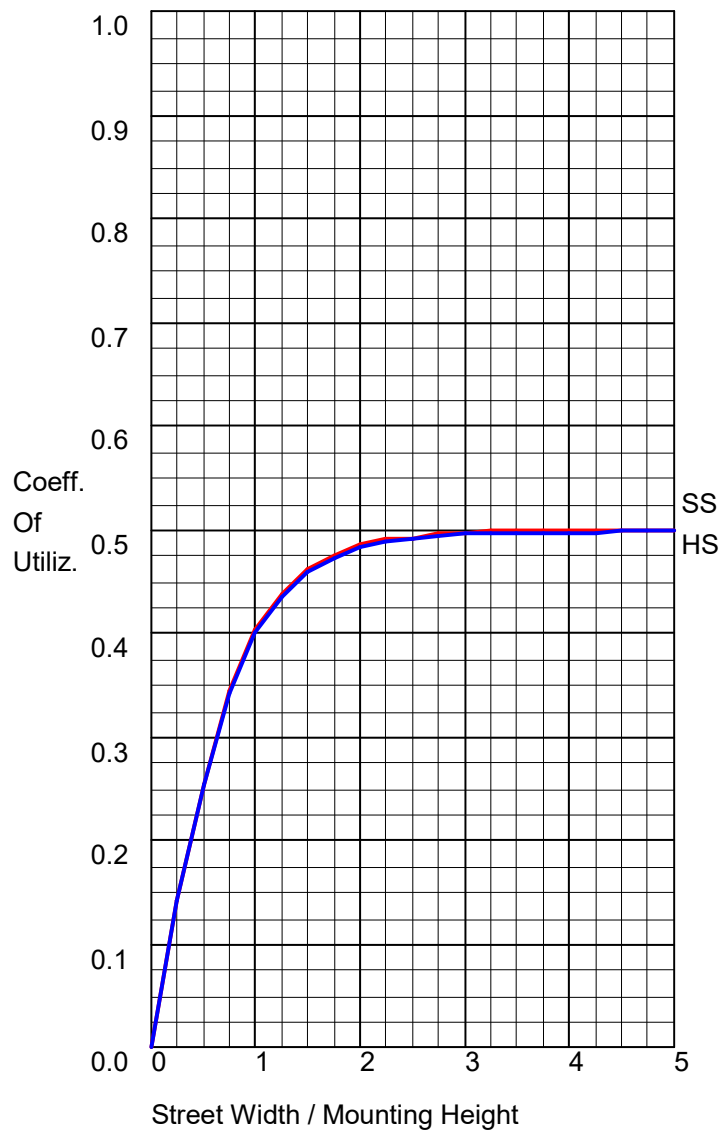
	<u>117.5</u>	<u>120.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408	1244.408
2.5	1240.402	1240.703	1240.703	1240.803	1242.305	1243.607	1242.706	1242.706	1239.801
5.0	1236.697	1236.697	1236.997	1236.797	1238.099	1240.202	1239.501	1238.499	1234.593
7.5	1231.889	1231.188	1232.090	1231.288	1232.691	1233.993	1234.093	1233.291	1229.586
10.0	1224.177	1224.378	1224.478	1223.977	1225.479	1226.481	1226.581	1225.980	1221.273
12.5	1214.763	1214.563	1215.264	1215.564	1216.566	1217.467	1217.667	1216.866	1210.857
15.0	1202.344	1202.544	1202.745	1203.946	1204.748	1204.748	1204.347	1204.147	1197.036
17.5	1187.922	1187.221	1188.322	1188.923	1189.224	1189.825	1188.723	1188.322	1180.711
20.0	1170.295	1170.796	1171.096	1170.996	1170.996	1171.797	1170.796	1170.095	1160.981
22.5	1150.665	1150.464	1150.464	1150.865	1149.863	1150.565	1149.964	1150.364	1139.347
25.0	1128.431	1128.631	1127.329	1127.629	1127.329	1127.930	1127.629	1127.930	1116.012
27.5	1104.093	1104.093	1102.791	1103.392	1102.791	1102.891	1103.392	1103.492	1091.173
30.0	1077.252	1077.052	1076.551	1077.753	1076.050	1076.251	1076.852	1076.050	1064.733
32.5	1047.206	1047.406	1046.705	1048.508	1047.206	1047.006	1047.206	1046.705	1034.186
35.0	1014.055	1014.155	1013.855	1016.359	1014.456	1014.756	1014.155	1013.955	1000.334
37.5	977.900	977.800	977.299	979.803	977.800	977.399	976.798	976.397	962.476
40.0	938.039	938.239	937.638	940.342	938.239	938.439	936.937	936.636	921.914
42.5	897.577	898.177	896.976	899.479	897.577	897.376	896.976	896.775	882.554
45.0	856.814	857.215	855.712	856.213	854.511	855.512	853.509	853.609	837.785
47.5	813.047	813.247	812.146	811.845	810.343	809.542	804.033	801.229	783.201
50.0	766.075	766.476	765.574	764.072	762.970	754.657	744.742	734.827	707.285
52.5	713.995	714.796	713.995	713.895	706.684	687.855	638.179	617.046	595.814
55.0	644.488	654.103	656.707	657.108	640.382	574.681	563.865	564.065	549.643
57.5	559.258	562.162	580.691	588.603	532.917	515.991	516.092	516.893	501.169
60.0	504.374	503.773	502.871	505.475	467.717	465.915	465.314	465.915	449.990
62.5	439.374	442.879	437.271	389.598	416.339	412.633	374.975	354.544	333.612
65.0	358.249	357.148	351.840	335.214	351.739	306.871	299.860	300.060	288.743
67.5	291.747	288.943	262.603	278.427	244.375	255.792	254.590	250.584	232.957
70.0	209.722	201.509	204.714	189.491	196.201	189.090	170.061	170.461	162.249
72.5	144.021	147.326	144.522	137.411	128.397	129.699	123.590	116.278	97.650
75.0	96.047	92.542	87.334	83.528	79.822	72.411	73.613	68.405	55.786
77.5	48.374	49.476	48.574	44.168	38.860	33.852	28.544	27.342	19.129
80.0	20.932	20.632	20.531	18.028	15.223	13.120	12.219	11.818	10.216
82.5	7.011	7.211	7.111	6.810	6.610	6.410	6.310	6.410	5.809
85.0	3.105	3.105	3.105	3.305	3.405	3.505	3.505	3.505	3.105
87.5	1.402	1.302	1.402	1.502	1.602	1.703	1.803	1.803	1.602
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-50.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

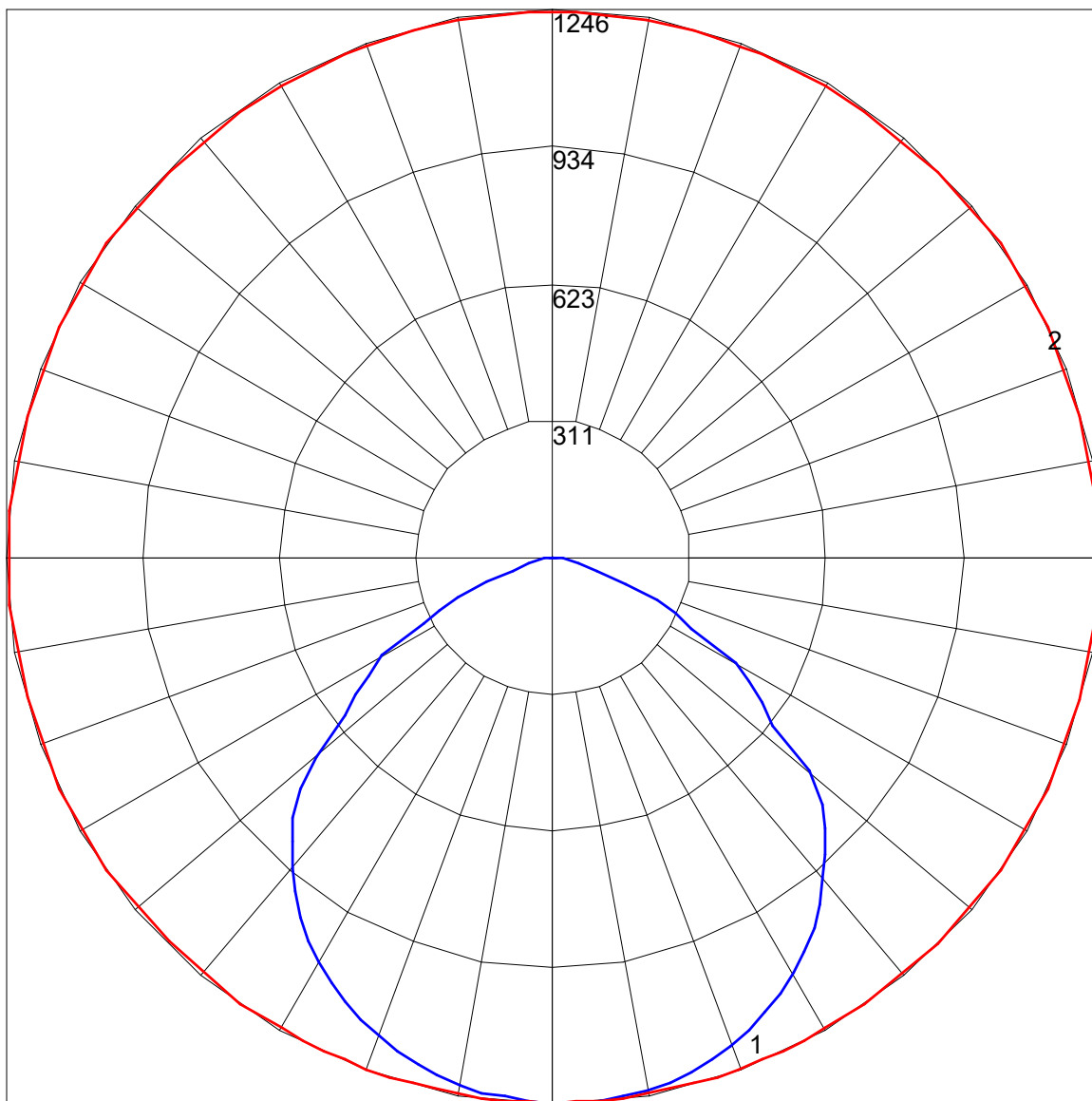
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1632.8	50.1
Downward House Side	1627.8	49.9
Downward Total	3260.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	3260.6	100.0

POLAR GRAPH

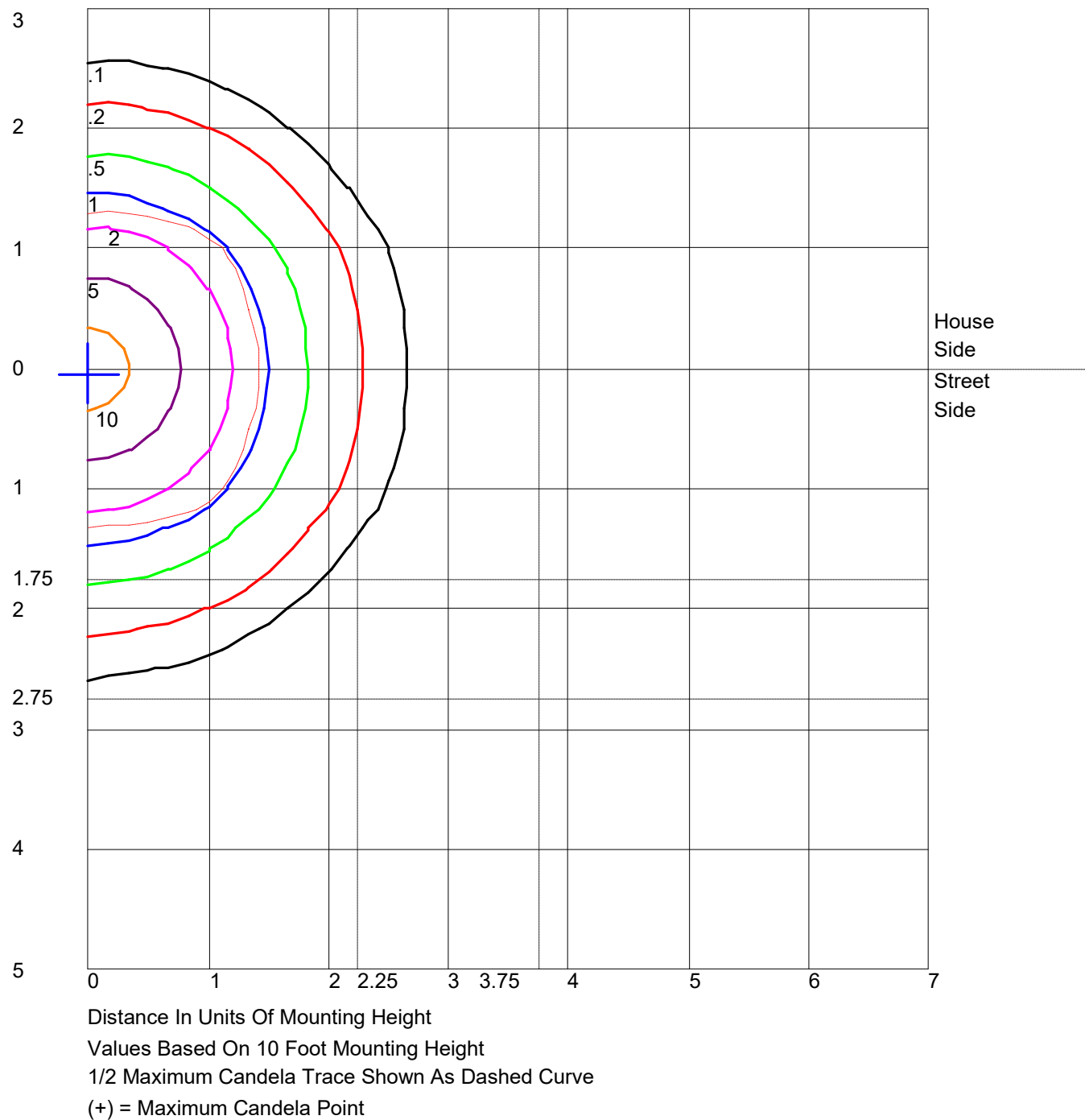


Maximum Candela = 1245.61 Located At Horizontal Angle = 0, Vertical Angle = 2.5

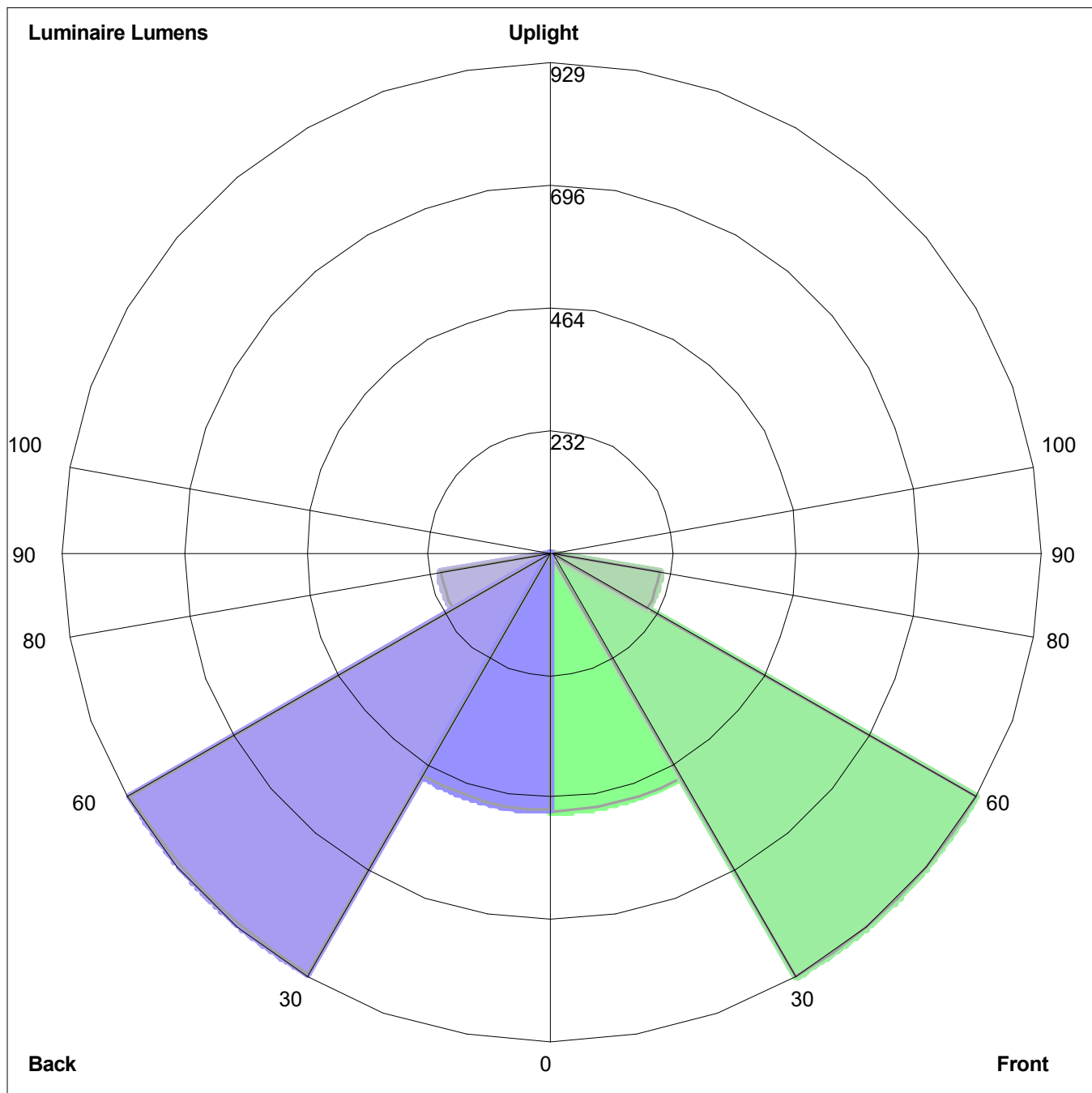
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

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=491.1, Medium=928.6, High=211.0, Very High=2.2
Back: Low=488.9, Medium=921.7, High=214.4, Very High=2.7
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G0