



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.0.4 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUEDATE]

[TESTDATE] Fri Jun 30 13:33:56 2017

[MANUFAC] BEGHELLI

[LUMINAIRE] BS100LED2HTLOWT40120-277V-FL

[LAMP] LED 0.195W White 5630 package (65mA)

[LAMPCAT] SPMWHT541MD-3900K

[OTHER] Indoor Photometric Report

[OTHER] LUMINAIRE PROPERTIES

[OTHER] Number of lamps: 90

[OTHER] Lumens per lamp: 43.6

[OTHER] Input watts: 30

[OTHER] Distribution: Direct

[OTHER] Symmetry: None

[OTHER] Photometric Type: C

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 2.3

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.3

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3691
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.28 ft
Luminous Width (90-270)	0.55 ft
Luminous Height	0.32 ft

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8507	6702	6695
55	7130	5620	5640
65	5224	4351	4522
75	3472	2943	3055
85	2115	1539	1554

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION**

	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>	<b>90</b>
<b>0.0</b>	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16
<b>2.5</b>	1280.60	1282.97	1302.35	1267.51	1296.18	1286.47	1293.67	1287.69	1266.46	1273.81
<b>5.0</b>	1262.24	1275.87	1276.60	1261.94	1269.55	1293.33	1263.34	1270.13	1274.77	1296.89
<b>7.5</b>	1259.17	1233.49	1263.16	1258.98	1251.96	1260.47	1260.33	1286.10	1272.69	1257.58
<b>10.0</b>	1251.23	1251.56	1243.24	1249.00	1249.65	1265.66	1256.97	1253.33	1243.42	1250.34
<b>12.5</b>	1235.79	1236.23	1236.15	1243.48	1216.45	1238.62	1249.23	1241.21	1231.48	1238.44
<b>15.0</b>	1212.47	1219.53	1212.89	1229.33	1220.04	1220.04	1218.82	1213.58	1219.86	1233.88
<b>17.5</b>	1193.98	1187.24	1204.24	1204.94	1206.47	1211.26	1200.71	1196.77	1199.12	1207.69
<b>20.0</b>	1176.06	1172.19	1176.49	1167.95	1178.54	1176.48	1188.63	1194.42	1181.97	1174.14
<b>22.5</b>	1147.88	1147.81	1147.58	1140.37	1139.26	1149.06	1157.12	1163.24	1170.25	1170.95
<b>25.0</b>	1124.21	1114.35	1119.19	1120.60	1122.25	1123.29	1134.89	1141.61	1136.98	1141.58
<b>27.5</b>	1090.00	1084.19	1085.17	1093.04	1097.60	1104.77	1104.32	1117.70	1119.46	1119.26
<b>30.0</b>	1052.71	1054.98	1059.49	1050.39	1064.30	1075.29	1075.05	1085.34	1082.17	1094.81
<b>32.5</b>	1020.15	1020.80	1019.18	1026.58	1028.96	1027.75	1042.35	1052.95	1062.91	1064.04
<b>35.0</b>	979.36	986.02	985.66	988.15	998.01	1000.33	997.60	1013.31	1026.92	1034.29
<b>37.5</b>	945.25	938.13	943.05	950.28	961.10	965.68	967.14	975.96	994.17	1001.66
<b>40.0</b>	899.59	900.63	902.46	908.67	915.42	923.82	927.69	938.33	952.64	949.51
<b>42.5</b>	852.59	858.70	859.75	861.62	873.56	876.32	885.37	895.99	910.64	911.55
<b>45.0</b>	806.10	807.35	814.56	818.90	831.88	842.57	845.95	852.47	874.48	874.72
<b>47.5</b>	754.68	757.26	763.04	772.43	783.07	796.14	806.23	809.12	828.05	836.74
<b>50.0</b>	696.30	695.60	707.36	720.01	739.83	754.98	760.73	769.33	780.13	790.28
<b>52.5</b>	637.13	646.90	652.71	669.17	689.16	702.43	715.88	724.22	733.38	738.11
<b>55.0</b>	576.65	578.77	597.87	618.32	644.46	657.22	669.36	670.40	685.38	690.59
<b>57.5</b>	511.58	520.30	542.56	568.15	589.23	609.46	619.13	624.11	636.24	648.18
<b>60.0</b>	458.13	461.92	484.93	516.72	542.09	559.12	569.66	580.11	585.09	600.92
<b>62.5</b>	396.38	408.64	421.65	465.44	492.05	507.90	520.49	529.37	541.85	552.00
<b>65.0</b>	337.09	349.19	375.87	409.29	441.49	456.40	476.10	478.98	493.40	499.81
<b>67.5</b>	289.35	297.35	324.73	358.45	393.44	408.05	421.69	435.26	445.87	451.79
<b>70.0</b>	238.94	247.92	277.40	311.23	340.76	362.04	374.12	383.65	393.68	399.23
<b>72.5</b>	198.40	207.98	231.52	262.83	293.07	312.11	323.98	334.57	341.58	345.60
<b>75.0</b>	160.52	169.31	192.16	218.57	247.52	267.06	278.57	280.69	289.08	291.01
<b>77.5</b>	126.22	135.90	156.04	179.99	205.80	221.26	228.92	232.17	235.67	238.31
<b>80.0</b>	100.13	106.14	125.51	146.42	164.36	176.98	187.40	188.17	189.02	192.72
<b>82.5</b>	74.83	83.65	97.11	112.22	130.38	144.19	148.69	151.80	149.72	155.43
<b>85.0</b>	56.08	63.25	72.72	87.06	102.83	109.52	116.68	119.79	120.84	119.78
<b>87.5</b>	41.09	46.56	54.76	67.25	79.59	86.60	92.25	92.08	92.56	93.42
<b>90.0</b>	27.04	32.66	39.85	50.63	59.32	65.55	70.91	71.56	71.02	72.46
<b>92.5</b>	18.73	22.38	31.46	38.63	46.21	53.08	54.18	55.40	55.34	55.85
<b>95.0</b>	14.15	16.49	22.17	29.71	35.17	40.92	42.16	42.21	43.48	44.35
<b>97.5</b>	10.36	12.21	17.65	22.36	27.63	31.45	33.40	33.98	33.88	34.01
<b>100.0</b>	9.33	9.92	14.30	18.50	21.90	24.66	26.57	26.80	27.04	27.69
<b>102.5</b>	7.46	8.41	12.00	14.59	17.74	19.44	21.92	22.31	23.12	22.80
<b>105.0</b>	5.93	7.28	9.22	11.76	13.69	16.11	18.08	18.46	18.65	19.70
<b>107.5</b>	5.97	6.05	7.56	9.60	11.34	12.28	14.80	15.70	15.52	16.72
<b>110.0</b>	4.75	5.23	6.73	8.11	9.19	10.16	12.07	12.92	13.51	13.74
<b>112.5</b>	4.72	5.09	5.75	6.33	7.14	8.54	9.63	10.73	10.66	11.99
<b>115.0</b>	3.90	4.58	4.67	5.16	6.06	6.83	8.29	8.84	9.30	9.31
<b>117.5</b>	3.62	3.73	4.12	4.11	4.66	5.10	6.36	7.65	7.76	7.88
<b>120.0</b>	3.34	3.08	3.27	3.34	3.47	4.01	4.72	5.19	6.05	6.20
<b>122.5</b>	2.64	2.73	2.60	2.49	2.26	2.99	3.73	4.52	4.87	5.28
<b>125.0</b>	2.22	2.11	2.22	1.94	2.13	2.07	3.17	3.17	3.59	4.23
<b>127.5</b>	1.84	1.63	1.52	1.38	1.47	1.82	2.16	2.79	2.99	3.02
<b>130.0</b>	1.42	1.37	1.26	1.23	0.91	1.16	1.53	2.17	2.22	2.33
<b>132.5</b>	1.14	0.95	0.79	0.67	0.47	0.68	1.14	1.37	1.66	1.60

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

135.0	0.82	0.60	0.55	0.46	0.43	0.45	0.74	0.92	1.10	1.07
137.5	0.40	0.57	0.35	0.19	0.18	0.14	0.35	0.67	0.77	0.87
140.0	0.22	0.22	0.24	0.19	0.13	0.14	0.21	0.39	0.47	0.58
142.5	0.14	0.11	0.14	0.03	0.08	0.06	0.23	0.21	0.27	0.25
145.0	0.02	0.08	0.10	0.06	0.05	0.06	0.05	0.07	0.12	0.13
147.5	0.05	0.13	0.06	0.11	0.09	0.19	0.06	0.07	0.09	0.07
150.0	0.05	0.06	0.17	0.12	0.10	0.08	0.17	0.04	0.12	0.11
152.5	0.24	0.24	0.17	0.13	0.22	0.16	0.23	0.06	0.09	0.05
155.0	0.28	0.38	0.24	0.10	0.37	0.38	0.27	0.25	0.22	0.10
157.5	0.19	0.30	0.46	0.39	0.43	0.42	0.20	0.17	0.22	0.29
160.0	0.38	0.46	0.39	0.40	0.42	0.39	0.54	0.34	0.20	0.28
162.5	0.28	0.29	0.54	0.56	0.48	0.34	0.38	0.22	0.33	0.16
165.0	0.33	0.37	0.48	0.53	0.49	0.27	0.24	0.26	0.37	0.33
167.5	0.54	0.40	0.44	0.36	0.74	0.33	0.45	0.34	0.17	0.74
170.0	0.57	0.23	0.53	0.41	0.49	0.52	0.26	0.41	0.21	0.46
172.5	0.50	0.71	0.36	0.47	0.29	0.23	0.34	0.34	0.23	0.46
175.0	0.35	0.27	0.65	0.36	0.52	0.26	0.27	0.53	0.54	0.45
177.5	0.35	0.88	0.00	0.52	0.20	0.01	0.46	0.71	0.15	0.37
180.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62

**Vert.  
Angles**

**Horizontal Angles**

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0.0	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16
2.5	1280.53	1282.42	1306.98	1288.97	1280.68	1278.40	1303.32	1255.00	1262.99	1298.66
5.0	1296.43	1266.84	1273.35	1261.57	1279.13	1281.87	1257.23	1300.49	1284.64	1268.40
7.5	1260.89	1279.12	1269.45	1276.42	1277.81	1270.29	1255.92	1258.13	1247.84	1287.44
10.0	1250.45	1248.67	1250.55	1267.34	1253.79	1250.15	1266.36	1248.66	1247.49	1251.71
12.5	1232.97	1236.34	1245.36	1229.92	1240.74	1237.77	1232.16	1227.86	1235.21	1240.61
15.0	1220.09	1215.70	1217.91	1224.78	1213.89	1220.50	1222.35	1220.26	1216.58	1220.18
17.5	1198.85	1195.86	1203.06	1201.80	1199.67	1191.92	1198.93	1191.69	1193.90	1195.59
20.0	1175.80	1176.54	1184.69	1181.94	1177.18	1174.73	1172.89	1163.37	1171.62	1170.23
22.5	1163.32	1160.34	1154.78	1157.52	1150.82	1142.40	1150.96	1149.47	1138.57	1139.38
25.0	1138.02	1128.97	1135.09	1125.87	1124.60	1129.14	1118.77	1114.09	1116.27	1111.42
27.5	1121.33	1113.57	1106.39	1095.40	1099.83	1086.41	1088.50	1087.19	1084.28	1086.30
30.0	1094.81	1082.31	1080.80	1070.47	1063.00	1060.77	1058.96	1056.75	1058.46	1063.58
32.5	1057.33	1049.80	1045.63	1032.76	1025.53	1032.06	1020.73	1021.74	1019.82	1020.36
35.0	1024.36	1020.93	1002.29	996.50	997.77	991.39	981.00	982.56	985.56	989.57
37.5	994.40	982.39	967.44	961.53	956.69	951.09	943.61	943.40	941.30	945.51
40.0	954.92	944.87	923.43	925.19	910.42	910.79	902.00	911.31	895.47	903.45
42.5	912.23	904.16	891.50	876.26	874.18	864.56	858.55	857.63	856.11	857.55
45.0	870.40	855.37	848.76	836.80	827.26	821.70	817.21	810.48	802.60	810.72
47.5	830.89	813.67	806.62	798.18	780.60	772.02	764.10	751.67	755.39	749.76
50.0	780.07	773.43	763.68	758.39	733.45	723.22	712.47	701.54	696.62	699.13
52.5	726.36	719.32	711.76	709.69	690.84	674.63	655.88	641.98	642.47	641.92
55.0	685.86	673.24	664.73	654.61	642.33	621.12	600.94	583.72	577.27	586.60
57.5	637.65	624.03	620.29	609.01	590.49	574.62	545.09	522.97	515.22	521.90
60.0	589.51	576.87	573.18	557.22	540.43	515.31	489.10	465.51	460.44	467.29
62.5	543.07	531.36	521.25	512.76	488.22	460.50	429.19	409.61	399.42	408.60
65.0	491.91	483.23	474.77	456.73	443.46	413.89	378.77	353.90	345.20	351.69
67.5	445.40	435.32	426.53	410.76	391.61	362.92	329.07	301.39	291.99	301.02
70.0	393.38	383.37	378.50	359.07	343.05	311.46	278.28	251.79	242.57	253.12
72.5	342.13	332.70	328.25	315.86	296.28	266.98	234.04	211.50	202.50	209.19
75.0	284.51	280.23	277.42	267.93	247.95	220.38	196.13	170.85	162.81	172.32
77.5	234.43	232.68	227.12	220.11	204.92	180.62	157.94	138.59	128.15	138.98
80.0	190.38	186.65	186.03	180.09	164.66	143.65	125.78	109.49	99.96	109.81

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

82.5	152.65	149.85	147.18	141.80	129.33	113.46	97.77	83.53	76.78	83.80
85.0	118.30	118.58	117.39	109.28	101.06	86.82	72.29	62.36	58.18	62.11
87.5	93.24	93.36	90.64	85.47	77.28	65.62	55.35	46.44	41.15	46.97
90.0	71.68	71.51	69.15	66.04	60.57	50.68	41.60	33.09	27.18	34.31
92.5	55.49	54.34	53.97	50.67	44.84	38.78	30.16	23.73	19.63	23.82
95.0	42.18	43.20	41.85	38.65	35.31	28.58	22.56	17.31	13.53	16.94
97.5	33.92	33.86	33.07	31.70	26.98	22.85	17.70	12.96	11.11	12.35
100.0	27.68	27.44	26.15	24.10	21.18	17.67	14.19	9.63	8.80	10.31
102.5	22.21	22.19	21.38	19.66	17.06	14.25	11.59	8.70	7.26	8.32
105.0	19.09	18.78	16.46	16.01	14.55	11.84	9.29	7.34	7.09	7.28
107.5	16.15	15.45	14.45	12.40	11.14	9.53	8.30	6.64	5.98	6.46
110.0	13.34	13.01	11.18	10.18	8.48	7.83	6.67	5.45	4.84	5.62
112.5	10.86	10.98	9.45	8.32	6.93	6.43	5.73	4.51	4.70	4.83
115.0	9.57	8.91	7.64	6.64	6.22	5.07	4.96	4.42	4.19	4.34
117.5	7.59	7.14	6.45	5.06	4.57	3.95	3.66	3.69	3.39	3.89
120.0	6.09	5.63	5.23	4.04	3.24	3.31	3.24	3.28	3.36	3.22
122.5	4.71	4.27	4.00	2.95	2.51	2.43	2.71	2.46	2.51	2.98
125.0	3.85	3.61	2.65	2.34	1.93	2.18	2.07	2.21	2.17	2.04
127.5	2.94	2.64	2.40	1.45	1.35	1.39	1.59	1.78	1.94	1.62
130.0	2.25	1.87	1.78	1.31	0.89	1.06	1.25	1.44	1.43	1.23
132.5	1.48	1.26	1.22	0.77	0.65	0.65	0.98	0.90	1.19	0.99
135.0	1.02	1.01	0.66	0.33	0.34	0.56	0.79	0.93	0.81	0.68
137.5	0.78	0.65	0.36	0.13	0.26	0.31	0.45	0.56	0.64	0.58
140.0	0.44	0.32	0.12	0.09	0.07	0.16	0.13	0.40	0.38	0.33
142.5	0.21	0.13	0.07	0.05	0.05	0.11	0.07	0.13	0.28	0.19
145.0	0.07	0.12	0.10	0.08	0.03	0.03	0.05	0.05	0.09	0.15
147.5	0.05	0.06	0.08	0.08	0.10	0.09	0.04	0.13	0.10	0.09
150.0	0.07	0.09	0.11	0.19	0.11	0.14	0.13	0.14	0.15	0.13
152.5	0.04	0.11	0.08	0.12	0.19	0.17	0.13	0.12	0.15	0.11
155.0	0.19	0.17	0.27	0.17	0.13	0.32	0.34	0.17	0.18	0.15
157.5	0.22	0.28	0.39	0.20	0.33	0.29	0.22	0.37	0.25	0.25
160.0	0.38	0.30	0.28	0.20	0.27	0.45	0.33	0.23	0.33	0.25
162.5	0.41	0.48	0.16	0.29	0.33	0.18	0.27	0.23	0.30	0.23
165.0	0.52	0.44	0.23	0.42	0.30	0.30	0.47	0.35	0.45	0.63
167.5	0.29	0.52	0.52	0.42	0.45	0.22	0.64	0.35	0.29	0.47
170.0	0.39	0.28	0.52	0.28	0.44	0.26	0.47	0.76	0.57	0.54
172.5	0.22	0.50	0.53	0.45	0.80	0.05	0.64	0.47	0.54	0.41
175.0	0.60	0.27	0.55	0.28	0.08	0.46	0.16	0.09	0.37	0.52
177.5	0.57	0.34	0.72	0.48	1.49	0.18	0.18	0.70	0.79	0.18
180.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62

**Vert.  
Angles**

**Horizontal Angles**

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0.0	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16
2.5	1263.33	1314.36	1267.08	1253.98	1263.55	1270.35	1298.75	1260.64	1302.03	1267.95
5.0	1279.93	1265.24	1269.79	1271.19	1254.02	1271.35	1275.63	1280.52	1271.78	1275.23
7.5	1262.35	1265.41	1267.86	1259.98	1264.27	1279.25	1259.10	1275.66	1269.62	1274.11
10.0	1252.68	1237.42	1250.48	1248.40	1252.66	1254.75	1249.68	1247.47	1261.38	1240.79
12.5	1231.66	1229.66	1240.53	1238.12	1253.38	1238.56	1247.45	1246.56	1239.76	1234.33
15.0	1209.05	1237.50	1227.87	1217.46	1221.07	1230.82	1229.93	1217.34	1215.32	1224.92
17.5	1196.89	1199.49	1193.74	1206.27	1205.25	1210.52	1205.20	1210.44	1201.74	1202.75
20.0	1174.85	1166.58	1164.07	1177.55	1171.81	1182.43	1187.82	1177.89	1186.76	1186.91
22.5	1140.41	1148.04	1152.24	1148.04	1154.62	1158.16	1164.74	1164.47	1165.25	1162.57
25.0	1117.54	1129.38	1120.00	1125.50	1133.67	1134.94	1132.23	1142.92	1141.03	1137.92
27.5	1103.82	1084.14	1095.02	1098.37	1107.77	1113.16	1111.97	1118.57	1117.59	1105.57

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

30.0	1059.64	1060.04	1063.51	1067.04	1079.78	1083.22	1093.25	1094.89	1087.45	1085.56
32.5	1023.58	1013.51	1027.67	1036.90	1047.04	1045.65	1054.22	1057.56	1056.30	1057.28
35.0	984.13	981.37	991.81	1002.70	999.37	1015.13	1027.32	1023.80	1019.58	1013.95
37.5	949.13	946.48	955.80	958.85	971.17	979.21	994.34	994.46	990.16	986.30
40.0	907.34	911.42	917.53	918.40	928.85	941.77	957.50	956.69	951.37	942.46
42.5	856.00	861.04	867.38	878.97	892.98	903.69	919.24	914.58	909.51	901.78
45.0	811.16	820.12	832.86	840.74	853.01	856.33	872.07	874.23	877.40	852.66
47.5	761.05	776.93	782.23	800.78	809.83	814.20	830.91	833.21	824.40	813.50
50.0	709.85	726.11	739.61	751.62	760.78	773.09	778.48	786.06	781.68	766.03
52.5	654.45	677.01	692.38	704.48	713.59	725.30	736.22	735.93	731.70	719.94
55.0	603.59	623.19	640.77	660.79	665.66	673.56	688.23	690.53	686.99	675.89
57.5	542.54	570.98	589.94	607.43	617.24	624.76	639.71	645.03	635.52	630.61
60.0	485.95	516.68	546.98	562.00	569.88	580.41	590.92	601.15	591.19	574.67
62.5	432.97	459.87	490.20	510.57	522.76	534.04	544.95	551.23	540.55	530.60
65.0	376.37	411.20	445.87	460.85	474.59	479.82	494.52	503.22	489.70	482.50
67.5	329.52	361.58	392.38	411.30	423.86	430.51	444.30	451.46	443.84	432.41
70.0	280.74	311.64	343.49	362.79	375.04	388.83	391.78	397.54	389.99	387.34
72.5	235.59	265.99	293.46	312.76	329.20	333.72	338.39	344.27	337.41	335.92
75.0	195.08	220.68	247.74	268.17	280.81	280.44	288.49	291.48	286.86	280.67
77.5	158.85	181.52	205.58	220.61	228.95	232.62	236.16	236.52	235.87	234.51
80.0	125.06	144.65	166.22	177.06	184.45	189.29	190.55	194.28	192.51	188.95
82.5	97.38	114.70	128.90	142.85	146.66	148.01	152.10	154.11	152.08	150.32
85.0	73.23	86.46	99.90	111.12	114.92	117.76	120.40	122.51	119.46	119.95
87.5	54.66	65.54	77.28	86.12	91.28	92.77	92.89	94.27	93.40	93.19
90.0	41.19	50.75	58.64	65.28	68.32	72.43	72.70	71.36	72.62	72.45
92.5	30.16	38.13	44.75	51.13	53.98	53.93	55.12	55.25	55.40	54.98
95.0	22.70	29.23	34.34	38.85	40.83	42.00	42.06	42.73	42.58	43.02
97.5	17.36	22.77	27.58	30.49	32.65	33.42	34.01	33.27	33.44	33.11
100.0	13.96	17.75	21.84	24.37	26.63	26.74	26.76	27.92	26.54	28.43
102.5	11.43	14.49	16.66	18.77	20.73	22.05	22.61	23.00	22.92	22.04
105.0	9.70	11.61	14.19	16.14	16.66	18.03	19.12	18.52	19.06	19.22
107.5	8.41	9.35	11.37	12.22	13.96	15.67	16.48	16.53	16.06	15.44
110.0	6.65	8.08	9.32	10.00	12.27	13.06	13.74	13.63	13.36	13.43
112.5	5.91	5.81	7.52	8.42	9.57	11.05	11.42	11.50	11.01	11.01
115.0	5.10	5.11	6.05	6.52	7.50	8.15	8.72	9.42	9.09	8.71
117.5	3.90	4.49	4.89	5.15	6.42	7.08	7.31	7.52	7.56	7.70
120.0	3.63	3.56	3.26	4.35	4.36	5.92	6.40	6.44	6.39	6.01
122.5	2.92	2.88	2.55	3.02	3.97	4.15	4.83	5.02	4.93	4.92
125.0	2.18	2.02	1.86	2.07	3.16	3.27	3.69	3.65	3.91	3.28
127.5	1.63	1.49	1.57	1.64	2.00	2.82	3.03	2.94	3.04	2.98
130.0	1.29	1.25	1.23	1.17	1.42	2.04	2.43	2.13	1.92	1.91
132.5	1.20	0.69	0.69	0.61	1.01	1.46	1.53	1.66	1.61	1.39
135.0	0.70	0.55	0.35	0.39	0.75	0.82	0.98	1.07	0.99	0.92
137.5	0.46	0.34	0.19	0.17	0.31	0.53	0.63	0.78	0.76	0.63
140.0	0.26	0.18	0.18	0.08	0.12	0.32	0.34	0.74	0.45	0.39
142.5	0.13	0.13	0.06	0.10	0.11	0.18	0.11	0.19	0.24	0.18
145.0	0.05	0.07	0.11	0.05	0.11	0.08	0.11	0.14	0.15	0.13
147.5	0.13	0.09	0.08	0.08	0.06	0.02	0.09	0.11	0.10	0.09
150.0	0.13	0.11	0.20	0.12	0.03	0.08	0.04	0.04	0.06	0.06
152.5	0.18	0.18	0.13	0.07	0.15	0.18	0.09	0.05	0.11	0.11
155.0	0.27	0.21	0.36	0.17	0.17	0.14	0.16	0.18	0.15	0.36
157.5	0.35	0.37	0.34	0.35	0.26	0.20	0.22	0.15	0.25	0.23
160.0	0.40	0.40	0.34	0.16	0.38	0.28	0.30	0.29	0.16	0.24
162.5	0.41	0.29	0.33	0.32	0.23	0.34	0.24	0.36	0.31	0.27
165.0	0.48	0.55	0.39	0.47	0.55	0.48	0.46	0.19	0.43	0.49
167.5	0.41	0.79	0.54	0.39	0.36	0.32	0.31	0.53	0.44	0.76

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	0.37	0.31	0.42	0.24	0.42	0.42	0.57	0.74	0.33	0.45
<b>172.5</b>	0.40	0.54	0.63	0.40	0.26	0.55	0.46	0.42	0.34	0.26
<b>175.0</b>	0.35	0.19	0.59	0.10	0.29	0.50	0.69	0.10	0.46	0.36
<b>177.5</b>	0.00	0.50	0.51	0.48	0.21	0.64	0.33	0.70	0.35	0.71
<b>180.0</b>	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62

**Vert. Horizontal Angles**  
**Angles**

	<b>300</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>
<b>0.0</b>	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16	1277.16
<b>2.5</b>	1259.52	1276.13	1281.71	1260.88	1256.37	1295.21	1280.60
<b>5.0</b>	1260.93	1276.87	1258.92	1268.76	1280.62	1269.67	1262.24
<b>7.5</b>	1269.19	1263.48	1271.10	1275.03	1252.00	1262.19	1259.23
<b>10.0</b>	1255.71	1259.86	1248.56	1264.06	1256.92	1258.70	1251.28
<b>12.5</b>	1248.54	1255.78	1240.91	1242.00	1224.81	1230.01	1235.79
<b>15.0</b>	1223.78	1224.36	1212.26	1216.82	1214.13	1220.27	1212.50
<b>17.5</b>	1194.51	1204.13	1196.11	1193.18	1183.78	1200.99	1193.98
<b>20.0</b>	1172.40	1176.57	1177.50	1172.75	1171.82	1170.01	1176.06
<b>22.5</b>	1159.07	1164.12	1144.52	1142.88	1150.03	1137.61	1147.88
<b>25.0</b>	1138.85	1125.86	1120.06	1115.90	1118.85	1112.25	1124.21
<b>27.5</b>	1102.43	1093.84	1082.47	1088.67	1079.07	1082.39	1090.00
<b>30.0</b>	1082.62	1073.24	1060.82	1059.09	1054.16	1055.01	1052.71
<b>32.5</b>	1038.10	1028.15	1026.45	1026.18	1020.48	1017.75	1020.15
<b>35.0</b>	1008.22	998.64	993.72	985.61	984.52	986.94	979.36
<b>37.5</b>	973.35	958.54	958.04	948.69	944.21	940.08	945.25
<b>40.0</b>	928.46	926.12	920.80	912.17	902.72	903.14	899.59
<b>42.5</b>	892.89	880.41	878.42	862.00	859.67	854.49	852.59
<b>45.0</b>	856.14	836.75	831.39	824.66	815.72	803.90	806.10
<b>47.5</b>	804.95	798.15	778.75	778.36	762.74	757.61	754.68
<b>50.0</b>	762.99	750.61	736.91	717.53	706.65	697.69	696.30
<b>52.5</b>	716.37	709.53	694.59	670.88	653.09	641.68	637.13
<b>55.0</b>	671.76	655.58	642.49	620.55	600.79	580.60	576.66
<b>57.5</b>	619.77	608.63	592.03	574.89	547.27	522.79	511.59
<b>60.0</b>	570.09	560.86	538.14	518.32	486.87	463.55	458.13
<b>62.5</b>	519.87	509.04	494.61	464.46	430.49	405.99	396.38
<b>65.0</b>	473.43	464.59	442.02	411.76	378.50	348.85	337.10
<b>67.5</b>	424.63	411.53	389.85	359.54	325.23	297.90	289.36
<b>70.0</b>	375.86	364.25	342.67	310.18	277.21	250.63	238.94
<b>72.5</b>	329.27	314.46	292.34	267.25	233.47	207.04	198.40
<b>75.0</b>	276.78	265.82	248.96	220.75	193.34	169.59	160.52
<b>77.5</b>	229.16	222.01	203.35	182.31	157.65	137.38	126.22
<b>80.0</b>	185.86	178.67	166.66	144.25	123.37	107.22	100.13
<b>82.5</b>	150.11	142.35	129.84	114.79	96.12	83.35	74.83
<b>85.0</b>	115.77	111.06	100.42	87.64	75.19	61.38	56.08
<b>87.5</b>	91.11	86.41	77.84	63.93	55.72	45.88	41.09
<b>90.0</b>	70.50	66.00	60.61	50.49	41.04	33.28	27.04
<b>92.5</b>	53.72	50.79	46.56	38.79	30.78	23.00	18.73
<b>95.0</b>	41.90	39.55	35.82	30.03	23.25	17.15	14.15
<b>97.5</b>	33.44	30.60	27.48	22.56	17.97	12.83	10.36
<b>100.0</b>	26.53	24.44	22.02	18.95	13.89	9.98	9.33
<b>102.5</b>	21.16	19.40	17.94	14.14	11.37	8.04	7.46
<b>105.0</b>	17.71	15.97	13.55	11.94	9.59	7.30	5.93
<b>107.5</b>	14.55	13.20	11.11	9.83	8.02	6.29	5.97
<b>110.0</b>	12.18	9.99	9.33	8.46	6.61	5.76	4.75
<b>112.5</b>	9.96	8.53	7.77	6.48	6.06	4.69	4.72
<b>115.0</b>	7.91	6.85	6.04	5.26	4.79	4.36	3.90

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

117.5	6.00	5.18	4.85	4.32	4.04	3.49	3.62
120.0	4.59	3.96	2.97	3.19	3.38	2.99	3.34
122.5	3.79	3.19	2.76	2.49	2.69	2.81	2.64
125.0	2.99	2.25	1.81	2.04	2.35	2.04	2.22
127.5	2.06	1.63	1.35	1.40	1.67	1.57	1.84
130.0	1.44	1.14	0.89	1.05	1.25	1.47	1.42
132.5	0.98	0.59	0.53	0.77	0.84	1.08	1.15
135.0	0.65	0.37	0.31	0.48	0.82	0.72	0.82
137.5	0.30	0.15	0.20	0.34	0.50	0.50	0.40
140.0	0.17	0.13	0.12	0.18	0.20	0.37	0.22
142.5	0.04	0.05	0.09	0.07	0.07	0.19	0.14
145.0	0.06	0.14	0.02	0.12	0.05	0.05	0.02
147.5	0.06	0.02	0.11	0.09	0.05	0.10	0.05
150.0	0.09	0.17	0.07	0.13	0.10	0.13	0.05
152.5	0.20	0.14	0.18	0.21	0.16	0.20	0.24
155.0	0.22	0.21	0.38	0.17	0.16	0.27	0.28
157.5	0.29	0.32	0.24	0.34	0.30	0.37	0.19
160.0	0.22	0.46	0.16	0.29	0.42	0.30	0.38
162.5	0.44	0.46	0.33	0.55	0.37	0.61	0.28
165.0	0.63	0.52	0.44	0.28	0.29	0.44	0.33
167.5	0.52	0.59	0.35	0.41	0.52	0.38	0.54
170.0	0.38	0.56	0.34	0.50	0.27	0.59	0.57
172.5	0.39	0.35	0.47	0.63	0.06	0.58	0.50
175.0	0.84	0.41	0.45	0.42	0.56	0.27	0.35
177.5	0.15	0.64	0.30	0.18	0.54	0.48	0.35
180.0	0.62	0.62	0.62	0.62	0.62	0.62	0.62



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	465.13	N.A.	12.60
0-30	984.68	N.A.	26.70
0-40	1610.35	N.A.	43.60
0-60	2827.62	N.A.	76.60
0-80	3515.56	N.A.	95.30
0-90	3626.33	N.A.	98.30
10-90	3505.41	N.A.	95.00
20-40	1145.23	N.A.	31.00
20-50	1789.9	N.A.	48.50
40-70	1648.16	N.A.	44.70
60-80	687.94	N.A.	18.60
70-80	257.05	N.A.	7.00
80-90	110.77	N.A.	3.00
90-110	54.03	N.A.	1.50
90-120	60.79	N.A.	1.60
90-130	63.26	N.A.	1.70
90-150	63.95	N.A.	1.70
90-180	64.20	N.A.	1.70
110-180	10.16	N.A.	0.30
0-180	3690.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	120.92
10-20	344.21
20-30	519.55
30-40	625.67
40-50	644.67
50-60	572.60
60-70	430.89
70-80	257.05
80-90	110.77
90-100	38.68
100-110	15.35
110-120	6.75
120-130	2.48
130-140	0.61
140-150	0.08
150-160	0.10
160-170	0.11
170-180	0.04

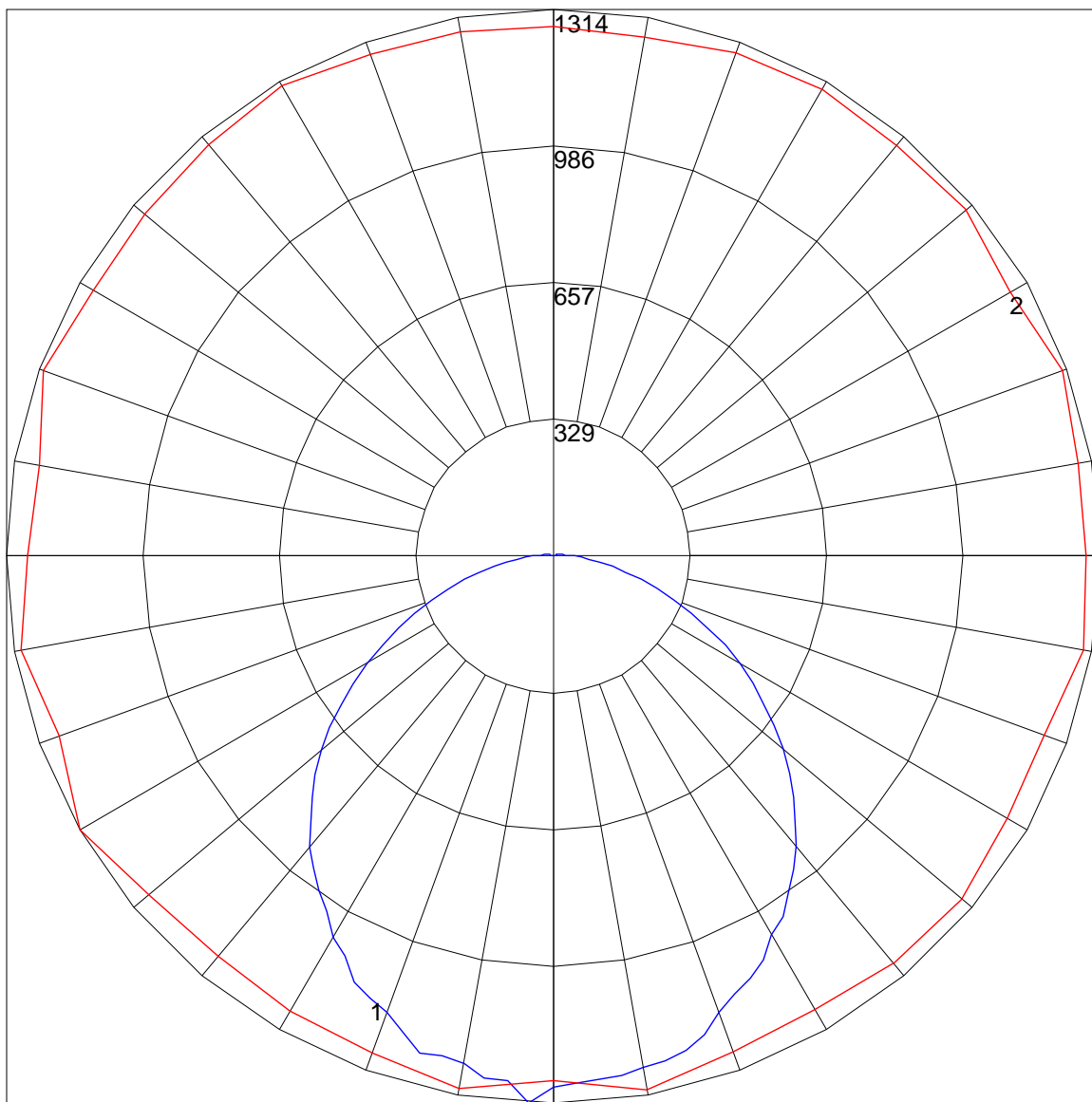
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTLOWT40120-277V-FL\_S.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	93	96	93	89	92	89	86	88	86	84	81
2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	77	73	70	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	60	68	63	59	57
4	82	70	61	54	79	68	60	54	65	58	53	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	56	50	45	54	49	44	42
6	69	56	47	41	67	55	46	40	53	45	40	51	44	39	49	43	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	34	32
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	41	35	31	29
9	56	43	34	29	54	42	34	29	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24

POLAR GRAPH



Maximum Candela = 1314.36 Located At Horizontal Angle = 210, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (210 - 30) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)