



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED4HTVLOWT50120-277V-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] Wed Jun 28 11:37:46 2017

[MANUFAC] BEGHELLI

[LUMINAIRE] BS100LED4HTVLOWT50120-277V-FL

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

[LAMPCAT] SPMWHT541MP5WAT0S5

[OTHER] Indoor Photometric Report

[OTHER] LUMINAIRE PROPERTIES

[OTHER] Number of lamps: 180

[OTHER] Lumens per lamp: 24.7

[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: 4.2

[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	4187
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
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)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.21 ft
Luminous Width (90-270)	0.58 ft
Luminous Height	0.32 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5273	4056	4026
55	4480	3439	3361
65	3184	2722	2686
75	1896	1858	1869
85	1029	997	948

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**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>	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55
<b>2.5</b>	1454.71	1494.39	1472.38	1492.25	1445.34	1466.46	1455.54	1460.63	1464.92	1497.07
<b>5.0</b>	1448.31	1446.86	1448.64	1454.23	1458.60	1444.19	1443.77	1466.53	1452.68	1471.30
<b>7.5</b>	1438.66	1447.34	1432.14	1432.24	1456.15	1439.96	1446.69	1442.80	1440.26	1448.29
<b>10.0</b>	1427.90	1405.53	1416.58	1414.70	1426.24	1426.90	1423.98	1440.17	1413.32	1422.84
<b>12.5</b>	1398.40	1398.20	1415.06	1405.60	1400.79	1406.92	1405.51	1412.02	1418.20	1409.54
<b>15.0</b>	1387.33	1374.63	1378.48	1371.01	1391.60	1376.31	1382.75	1395.19	1396.09	1385.13
<b>17.5</b>	1360.77	1373.01	1362.29	1356.41	1357.16	1367.63	1372.89	1371.42	1373.79	1383.36
<b>20.0</b>	1332.98	1333.63	1326.66	1335.05	1325.15	1341.69	1351.48	1339.87	1363.68	1354.62
<b>22.5</b>	1301.91	1302.81	1296.87	1305.17	1320.35	1318.81	1329.72	1329.72	1343.51	1336.13
<b>25.0</b>	1260.39	1274.26	1268.37	1267.21	1283.94	1279.82	1281.34	1294.02	1296.82	1305.66
<b>27.5</b>	1232.39	1242.35	1235.23	1240.70	1241.07	1250.08	1248.26	1255.27	1271.28	1279.19
<b>30.0</b>	1200.83	1198.45	1203.14	1207.12	1203.37	1212.19	1220.06	1233.17	1245.12	1245.75
<b>32.5</b>	1169.22	1158.64	1159.80	1167.85	1161.99	1168.69	1184.17	1195.37	1211.92	1218.29
<b>35.0</b>	1121.48	1119.36	1123.56	1119.94	1125.39	1128.76	1145.12	1158.97	1161.45	1172.92
<b>37.5</b>	1078.48	1073.72	1083.04	1082.47	1082.60	1082.86	1098.16	1102.21	1120.38	1137.02
<b>40.0</b>	1024.54	1027.94	1025.41	1034.58	1042.69	1049.96	1048.31	1067.70	1083.88	1100.01
<b>42.5</b>	965.61	968.48	974.33	979.49	992.86	999.10	1007.86	1021.28	1036.67	1044.13
<b>45.0</b>	912.42	912.96	919.72	932.49	938.24	947.00	958.38	965.94	985.91	1005.69
<b>47.5</b>	853.63	857.65	862.79	876.56	888.05	906.88	908.53	925.73	937.20	948.96
<b>50.0</b>	791.16	797.21	804.67	821.55	835.45	848.38	856.23	861.53	885.94	893.81
<b>52.5</b>	713.44	723.49	740.93	759.88	781.75	794.51	808.74	810.60	828.92	839.80
<b>55.0</b>	647.89	654.36	673.14	702.00	724.14	743.49	756.03	763.51	777.54	784.95
<b>57.5</b>	573.86	580.02	606.80	644.20	666.34	686.88	700.84	710.42	721.69	729.79
<b>60.0</b>	498.92	509.70	540.69	581.32	611.42	627.97	650.98	656.34	662.18	672.65
<b>62.5</b>	429.34	442.77	473.85	518.34	554.79	574.40	594.25	606.77	615.43	624.31
<b>65.0</b>	356.06	367.60	404.17	454.18	496.38	526.57	540.75	548.95	556.37	564.55
<b>67.5</b>	295.52	310.31	346.55	397.49	440.77	464.83	483.77	492.29	505.47	512.73
<b>70.0</b>	238.35	252.88	293.60	339.44	384.14	413.46	427.44	437.49	450.72	455.83
<b>72.5</b>	186.01	200.99	236.23	288.64	330.54	358.85	371.77	383.19	388.81	397.35
<b>75.0</b>	143.33	159.45	194.69	237.22	275.60	306.72	313.63	324.39	332.94	337.19
<b>77.5</b>	106.03	120.58	151.50	193.48	229.15	255.15	264.79	270.18	275.46	275.05
<b>80.0</b>	77.14	90.51	119.29	152.96	183.36	203.74	213.64	219.85	221.02	222.91
<b>82.5</b>	53.22	64.59	89.57	118.11	147.80	159.98	169.01	173.36	174.31	177.24
<b>85.0</b>	38.18	47.34	67.14	91.27	113.14	127.57	133.86	135.58	135.48	137.71
<b>87.5</b>	24.88	32.97	49.46	66.95	85.30	96.87	102.67	105.02	105.28	105.60
<b>90.0</b>	15.67	22.53	37.04	51.31	64.53	72.54	77.86	79.13	79.21	79.08
<b>92.5</b>	9.54	15.41	25.96	37.71	48.88	55.37	59.04	60.20	60.39	60.59
<b>95.0</b>	7.22	10.39	18.42	28.36	35.73	41.91	45.54	47.30	46.21	47.25
<b>97.5</b>	5.46	6.67	13.04	20.62	27.60	31.82	35.77	36.07	35.93	36.16
<b>100.0</b>	4.35	4.99	9.19	14.92	20.15	25.07	26.99	28.05	29.26	29.32
<b>102.5</b>	3.53	3.66	6.77	10.65	15.17	18.81	22.11	23.56	23.95	24.36
<b>105.0</b>	3.04	2.85	4.29	8.24	11.50	14.70	17.23	19.41	20.01	20.10
<b>107.5</b>	2.59	2.39	3.52	5.59	8.56	10.92	13.59	15.33	15.88	15.55
<b>110.0</b>	2.05	2.25	2.26	4.06	6.62	8.61	11.54	12.82	13.85	13.95
<b>112.5</b>	1.73	2.04	1.70	3.12	4.29	6.77	8.67	10.10	10.75	11.05
<b>115.0</b>	1.55	1.72	1.62	1.85	3.63	4.99	6.16	8.07	8.95	9.02
<b>117.5</b>	1.37	1.35	1.19	1.15	2.29	3.31	5.43	6.23	7.12	7.34
<b>120.0</b>	1.17	1.08	0.95	0.71	1.36	2.92	3.64	5.26	5.46	5.53
<b>122.5</b>	1.02	0.82	0.84	0.53	0.71	1.79	2.67	3.28	3.78	4.43
<b>125.0</b>	0.66	0.59	0.53	0.45	0.42	0.86	2.11	2.58	3.10	2.95
<b>127.5</b>	0.66	0.61	0.48	0.31	0.18	0.47	1.15	1.94	2.20	2.21
<b>130.0</b>	0.52	0.37	0.32	0.20	0.10	0.15	0.37	1.13	1.30	1.36
<b>132.5</b>	0.26	0.28	0.13	0.11	0.03	0.02	0.15	0.48	0.84	0.87

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**CANDELA TABULATION - (Cont.)**

135.0	0.18	0.13	0.13	0.03	0.08	0.01	0.01	0.15	0.34	0.53
137.5	0.17	0.10	0.07	0.05	0.02	0.00	0.00	0.01	0.01	0.04
140.0	0.09	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>
0.0	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55
2.5	1458.29	1466.24	1425.47	1456.36	1476.85	1466.55	1513.25	1457.19	1492.22	1458.27
5.0	1451.55	1474.56	1451.11	1438.78	1478.44	1463.12	1445.79	1448.74	1460.82	1479.30
7.5	1438.55	1445.07	1450.78	1451.36	1454.05	1434.39	1434.06	1451.82	1455.78	1453.04
10.0	1428.64	1429.03	1421.54	1424.02	1449.76	1426.86	1446.32	1435.08	1435.31	1434.31
12.5	1424.25	1412.97	1415.46	1424.89	1419.70	1409.62	1427.63	1418.18	1417.61	1412.32
15.0	1394.69	1404.86	1380.35	1393.68	1398.65	1388.26	1390.85	1390.40	1409.05	1392.17
17.5	1367.01	1388.92	1375.11	1378.45	1369.84	1368.27	1378.67	1385.78	1363.90	1380.61
20.0	1363.19	1354.38	1365.33	1342.33	1349.76	1351.22	1334.24	1355.89	1351.00	1357.66
22.5	1337.96	1332.71	1320.81	1320.40	1320.75	1318.94	1323.98	1310.30	1319.79	1324.76
25.0	1291.46	1300.07	1293.04	1296.17	1289.47	1283.10	1283.10	1289.71	1280.60	1283.40
27.5	1275.30	1269.08	1270.18	1258.33	1257.77	1259.50	1249.27	1257.69	1261.35	1255.21
30.0	1242.62	1249.89	1232.65	1222.15	1218.48	1220.70	1218.90	1217.68	1226.11	1218.46
32.5	1216.22	1204.98	1193.18	1195.93	1178.11	1181.52	1181.17	1184.86	1182.05	1182.05
35.0	1173.23	1169.49	1157.94	1149.31	1145.61	1139.75	1133.25	1131.43	1142.45	1137.36
37.5	1138.80	1121.06	1100.96	1107.56	1105.60	1094.21	1096.73	1098.93	1097.98	1102.28
40.0	1086.90	1069.59	1064.15	1049.66	1049.10	1053.66	1048.70	1044.42	1044.24	1042.59
42.5	1042.03	1028.97	1022.07	1009.84	1003.94	1002.08	1000.23	990.68	997.09	988.40
45.0	986.43	977.56	971.36	963.50	957.11	946.95	951.35	941.20	941.79	935.42
47.5	944.96	931.49	918.09	909.09	908.27	898.07	886.69	878.02	874.60	884.52
50.0	885.46	879.11	868.33	857.73	850.38	835.08	829.72	823.60	807.24	820.34
52.5	831.94	824.91	818.76	810.97	800.75	785.36	759.16	751.26	740.86	750.57
55.0	780.51	772.41	765.32	755.85	735.07	718.62	697.12	680.80	672.33	676.81
57.5	724.19	720.41	710.81	701.84	677.09	661.76	630.32	608.24	602.63	606.63
60.0	675.31	661.38	656.01	646.57	622.58	599.17	560.61	533.22	526.84	538.41
62.5	618.77	605.29	601.30	589.20	567.75	535.71	497.85	468.81	459.42	465.18
65.0	561.65	557.54	542.80	529.78	510.33	474.37	433.69	400.72	388.63	401.89
67.5	506.47	500.65	492.38	477.95	454.25	416.81	371.54	340.76	324.21	333.52
70.0	449.08	445.48	436.68	423.27	399.83	359.17	313.86	280.31	266.95	279.22
72.5	392.39	385.31	381.31	371.32	343.59	305.34	263.51	228.07	213.96	222.34
75.0	333.02	328.75	320.95	314.49	288.70	254.19	213.88	178.60	166.46	179.53
77.5	271.49	272.69	270.51	258.76	238.53	207.72	171.96	138.83	126.90	141.41
80.0	223.96	222.22	217.45	210.11	194.08	163.33	134.83	106.02	94.92	106.85

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**CANDELA TABULATION - (Cont.)**

82.5	177.27	173.33	172.83	166.00	152.38	128.72	101.91	78.97	68.41	80.11
85.0	135.72	135.50	136.10	129.72	115.84	97.36	77.80	57.12	49.18	58.04
87.5	105.37	104.81	104.32	97.53	90.53	73.61	56.03	41.34	33.37	41.81
90.0	80.44	80.46	80.01	75.72	66.29	52.99	40.79	27.93	20.60	29.10
92.5	60.82	60.47	60.12	57.80	50.64	38.76	29.04	18.32	13.69	19.14
95.0	46.93	47.87	46.84	43.23	37.82	29.80	21.01	13.02	10.13	13.14
97.5	36.87	35.97	34.31	33.29	26.96	22.04	15.43	9.57	7.53	9.48
100.0	28.72	28.85	27.46	25.41	21.97	16.06	11.45	6.96	6.13	6.90
102.5	23.05	23.47	21.41	19.58	16.68	12.65	8.18	5.38	5.18	5.53
105.0	19.42	19.06	18.06	15.36	12.26	9.43	6.47	4.78	4.39	4.82
107.5	16.73	15.04	15.06	11.43	9.40	7.44	5.16	4.23	3.80	4.05
110.0	13.46	13.16	10.85	9.56	7.35	5.56	4.30	3.31	3.49	3.65
112.5	11.48	9.59	8.87	7.02	5.59	4.20	3.31	3.05	3.50	3.47
115.0	8.65	8.17	7.09	5.78	3.92	3.05	3.21	2.96	2.99	2.98
117.5	6.88	6.78	5.81	4.05	2.95	2.26	2.65	2.38	2.32	2.54
120.0	5.25	4.96	3.79	3.04	1.92	1.85	1.95	1.93	2.04	2.00
122.5	3.95	3.73	2.88	2.39	1.36	1.35	1.74	1.76	1.93	1.62
125.0	3.00	2.74	2.00	1.18	0.84	1.04	1.41	1.42	1.11	1.46
127.5	2.02	1.89	1.07	0.67	0.41	0.71	0.97	0.90	1.23	0.91
130.0	1.35	1.06	0.62	0.30	0.33	0.73	0.81	0.79	0.80	0.79
132.5	0.61	0.48	0.13	0.08	0.20	0.44	0.31	0.41	0.62	0.48
135.0	0.31	0.14	0.00	0.04	0.05	0.18	0.42	0.38	0.47	0.29
137.5	0.03	0.00	0.00	0.01	0.06	0.09	0.18	0.16	0.28	0.21
140.0	0.00	0.00	0.00	0.00	0.03	0.06	0.05	0.14	0.05	0.08
142.5	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.09	0.04	0.04
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55
2.5	1483.27	1471.35	1461.16	1430.68	1461.16	1464.72	1429.30	1470.43	1498.37	1456.30
5.0	1449.68	1459.18	1477.23	1444.62	1453.52	1453.81	1446.97	1444.86	1473.71	1453.14
7.5	1463.10	1432.83	1445.87	1446.22	1465.95	1442.35	1437.32	1453.77	1448.62	1440.40
10.0	1433.31	1431.76	1417.02	1434.27	1422.76	1435.02	1436.23	1434.37	1439.03	1421.21
12.5	1405.27	1407.87	1427.10	1417.50	1420.62	1406.42	1410.07	1418.69	1410.44	1427.01
15.0	1393.97	1399.62	1389.33	1403.77	1395.38	1384.17	1398.76	1412.87	1397.32	1395.79
17.5	1365.03	1366.65	1366.41	1372.26	1400.83	1387.53	1388.86	1383.46	1379.72	1378.38
20.0	1333.29	1340.96	1346.05	1347.30	1345.96	1355.23	1361.13	1368.91	1342.88	1337.74
22.5	1318.14	1322.46	1315.85	1322.65	1329.27	1322.33	1334.17	1335.89	1335.03	1326.63
25.0	1285.02	1289.65	1297.69	1298.28	1289.70	1291.86	1311.59	1313.14	1296.55	1297.78
27.5	1251.33	1251.27	1254.64	1260.15	1264.07	1277.16	1284.82	1286.14	1273.35	1265.33

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED4HTVLOWT50120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

30.0	1223.63	1222.91	1221.04	1229.45	1230.73	1236.81	1249.80	1249.79	1237.66	1234.41
32.5	1177.54	1179.84	1183.60	1190.16	1187.81	1204.21	1202.60	1218.85	1206.71	1202.56
35.0	1146.62	1141.00	1144.25	1149.43	1152.66	1159.24	1175.89	1178.64	1169.57	1157.31
37.5	1089.06	1095.43	1100.99	1106.57	1109.00	1125.33	1135.44	1123.88	1124.55	1111.79
40.0	1048.26	1051.43	1051.92	1060.45	1066.82	1073.91	1088.27	1093.41	1082.60	1068.80
42.5	996.22	993.00	1010.10	1005.47	1014.96	1031.87	1044.41	1035.73	1035.11	1015.44
45.0	943.96	946.68	957.42	969.63	975.20	975.65	993.48	998.73	987.28	969.75
47.5	882.24	897.37	906.18	913.25	917.99	919.45	943.51	946.79	940.50	916.02
50.0	822.23	842.89	849.35	861.87	871.53	876.78	886.31	898.89	883.96	868.31
52.5	763.48	778.50	795.06	805.32	820.61	819.66	833.48	845.47	837.50	817.29
55.0	696.47	724.90	742.45	753.23	769.64	765.99	779.37	786.80	776.09	763.78
57.5	634.02	662.52	685.60	699.95	711.01	717.53	723.19	730.36	724.79	710.16
60.0	562.89	598.42	623.18	646.16	656.98	661.98	668.19	674.48	668.61	652.81
62.5	496.89	535.16	566.39	591.28	606.84	611.21	614.42	627.57	616.04	606.49
65.0	435.09	479.37	511.31	538.70	548.66	555.90	560.44	568.21	561.64	548.54
67.5	371.24	416.72	453.37	477.23	493.73	503.50	507.61	514.16	504.78	489.99
70.0	315.59	357.73	395.14	421.32	437.85	443.72	447.95	452.90	449.71	437.95
72.5	260.40	305.59	342.49	366.03	378.43	386.48	391.88	393.37	389.54	381.07
75.0	212.44	254.57	290.09	313.49	323.22	330.56	331.63	334.59	329.90	325.27
77.5	172.98	207.34	238.90	261.23	270.56	273.61	275.98	276.65	273.46	268.99
80.0	132.34	163.27	193.09	208.77	219.11	221.05	220.82	226.35	221.38	220.27
82.5	103.51	125.76	149.93	165.29	175.02	175.99	176.53	177.86	174.48	174.34
85.0	76.65	96.35	118.43	127.25	132.70	138.06	137.84	138.03	137.40	133.96
87.5	56.22	74.00	88.64	100.79	103.11	105.16	104.95	105.16	104.22	105.15
90.0	39.98	54.74	66.84	75.69	80.32	80.09	79.22	79.84	80.02	79.62
92.5	29.47	40.29	49.48	56.03	59.12	59.94	61.22	59.80	59.55	59.04
95.0	20.72	29.86	37.36	42.54	45.25	46.65	45.33	46.39	46.17	46.87
97.5	15.31	21.52	28.30	32.64	35.76	36.55	36.33	36.33	36.57	36.07
100.0	11.41	15.92	21.24	24.95	27.87	28.45	29.30	28.48	28.50	29.94
102.5	8.61	12.34	15.85	19.61	22.01	22.97	22.91	24.67	22.80	23.08
105.0	6.33	9.41	11.89	14.33	17.34	19.52	20.18	19.47	19.61	19.22
107.5	4.84	6.73	10.15	11.88	13.82	15.46	15.25	16.18	16.31	15.16
110.0	4.33	5.51	7.70	9.19	11.41	12.49	13.10	13.71	12.89	12.44
112.5	3.12	4.29	5.83	7.52	9.09	10.19	10.80	10.86	10.87	10.34
115.0	3.05	3.22	4.13	5.56	7.10	7.83	8.88	9.31	8.62	8.15
117.5	2.17	2.21	2.81	4.11	5.63	6.73	6.59	7.72	7.10	5.36
120.0	2.06	1.75	1.72	2.98	3.60	4.66	5.53	5.58	5.57	5.00
122.5	1.68	1.36	1.15	2.13	2.31	3.48	4.19	4.25	3.95	3.34
125.0	1.17	0.97	0.54	1.27	1.98	2.87	2.84	3.02	3.09	2.48
127.5	0.89	0.75	0.43	0.62	1.06	1.51	2.15	2.08	2.09	1.57
130.0	0.61	0.49	0.35	0.15	0.39	0.98	1.60	1.27	1.32	0.87
132.5	0.44	0.29	0.18	0.08	0.11	0.39	0.58	0.66	0.63	0.34
135.0	0.26	0.17	0.10	0.01	0.02	0.08	0.13	0.34	0.31	0.10
137.5	0.13	0.09	0.05	0.02	0.01	0.00	0.00	0.00	0.00	0.00
140.0	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED4HTVLOWT50120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>172.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>175.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>177.5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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>	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55	1465.55
<b>2.5</b>	1470.30	1464.52	1446.36	1436.48	1458.19	1466.41	1454.71
<b>5.0</b>	1471.29	1457.69	1456.50	1467.86	1465.51	1440.74	1448.40
<b>7.5</b>	1443.41	1445.70	1432.83	1447.72	1454.84	1438.36	1438.66
<b>10.0</b>	1415.42	1422.71	1436.89	1440.05	1430.88	1427.66	1427.90
<b>12.5</b>	1423.28	1418.42	1413.79	1414.14	1407.18	1408.40	1398.44
<b>15.0</b>	1399.10	1398.70	1379.49	1396.07	1393.47	1381.29	1387.33
<b>17.5</b>	1380.39	1365.70	1361.48	1362.60	1350.06	1361.88	1360.77
<b>20.0</b>	1348.36	1335.42	1340.14	1327.23	1343.52	1337.58	1332.98
<b>22.5</b>	1306.95	1311.69	1315.77	1296.80	1305.78	1305.59	1301.91
<b>25.0</b>	1278.44	1273.81	1280.12	1273.71	1276.41	1272.79	1260.39
<b>27.5</b>	1254.47	1246.94	1239.68	1241.41	1235.60	1239.89	1232.39
<b>30.0</b>	1218.61	1211.31	1200.72	1219.14	1198.07	1195.49	1200.83
<b>32.5</b>	1176.53	1171.56	1171.22	1160.72	1159.50	1167.28	1169.23
<b>35.0</b>	1139.58	1124.87	1133.13	1127.56	1132.56	1112.38	1121.49
<b>37.5</b>	1108.08	1085.63	1081.36	1084.87	1076.05	1075.13	1078.48
<b>40.0</b>	1047.96	1044.95	1035.53	1030.64	1028.41	1022.84	1024.56
<b>42.5</b>	1004.33	994.14	997.30	982.10	977.61	973.88	965.61
<b>45.0</b>	955.70	949.10	944.73	924.18	921.53	918.74	912.42
<b>47.5</b>	908.51	898.20	889.73	877.63	860.94	851.52	853.64
<b>50.0</b>	856.69	844.88	834.00	820.25	803.74	792.36	791.17
<b>52.5</b>	807.80	794.75	784.89	762.89	741.86	723.13	713.44
<b>55.0</b>	757.90	739.71	726.51	703.22	673.28	657.79	647.91
<b>57.5</b>	702.60	683.26	664.60	641.03	607.18	582.64	573.86
<b>60.0</b>	648.92	635.33	612.57	582.50	539.49	513.01	498.92
<b>62.5</b>	593.99	578.43	555.54	516.14	472.69	440.66	429.34
<b>65.0</b>	539.29	521.91	495.65	452.56	410.10	371.42	356.07
<b>67.5</b>	483.61	468.17	438.11	395.06	348.89	311.98	295.52
<b>70.0</b>	426.37	409.01	384.09	336.73	289.80	252.32	238.36
<b>72.5</b>	375.25	356.85	328.54	290.26	240.56	200.68	186.01
<b>75.0</b>	320.79	305.88	279.87	237.79	191.73	157.08	143.34
<b>77.5</b>	265.81	255.51	230.53	195.32	154.28	120.24	106.04
<b>80.0</b>	212.78	204.34	183.00	151.62	120.84	89.41	77.14
<b>82.5</b>	170.33	161.06	145.38	118.12	89.07	65.59	53.23
<b>85.0</b>	131.74	126.31	113.30	88.79	67.69	46.73	38.19
<b>87.5</b>	103.25	96.05	87.01	67.46	49.38	32.61	24.89
<b>90.0</b>	77.02	75.58	64.58	50.67	36.61	23.29	15.67
<b>92.5</b>	59.28	55.77	48.18	36.75	25.23	15.20	9.54
<b>95.0</b>	45.62	42.05	35.87	27.21	18.08	10.09	7.23
<b>97.5</b>	34.78	32.04	25.67	20.29	13.15	6.90	5.47
<b>100.0</b>	26.71	24.23	20.16	14.55	9.35	4.90	4.35
<b>102.5</b>	21.04	18.93	15.52	10.23	6.41	3.93	3.53
<b>105.0</b>	16.46	14.45	10.45	7.78	4.30	3.00	3.04
<b>107.5</b>	13.59	11.92	8.17	5.63	3.33	2.51	2.59
<b>110.0</b>	11.13	8.15	6.36	3.77	2.16	2.44	2.06
<b>112.5</b>	8.64	6.85	4.47	2.60	1.73	2.09	1.73
<b>115.0</b>	7.00	5.32	3.37	1.57	1.49	1.70	1.55

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED4HTVLOWT50120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

117.5	5.37	3.63	2.23	1.08	1.36	1.24	1.37
120.0	3.76	2.60	1.20	0.95	0.94	1.15	1.17
122.5	2.68	1.71	0.62	0.51	0.93	0.75	1.02
125.0	1.84	0.89	0.34	0.34	0.55	0.75	0.66
127.5	1.11	0.42	0.14	0.41	0.40	0.47	0.66
130.0	0.41	0.03	0.17	0.22	0.39	0.27	0.52
132.5	0.06	0.03	0.09	0.14	0.22	0.32	0.26
135.0	0.01	0.01	0.04	0.08	0.32	0.21	0.18
137.5	0.00	0.00	0.01	0.05	0.08	0.12	0.17
140.0	0.00	0.00	0.00	0.01	0.05	0.09	0.09
142.5	0.00	0.00	0.01	0.00	0.00	0.01	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	531.35	N.A.	12.70
0-30	1125.32	N.A.	26.90
0-40	1840.82	N.A.	44.00
0-60	3229.39	N.A.	77.10
0-80	4005.8	N.A.	95.70
0-90	4126.77	N.A.	98.60
10-90	3988.58	N.A.	95.30
20-40	1309.47	N.A.	31.30
20-50	2045.42	N.A.	48.90
40-70	1876.7	N.A.	44.80
60-80	776.41	N.A.	18.50
70-80	288.29	N.A.	6.90
80-90	120.96	N.A.	2.90
90-110	53.40	N.A.	1.30
90-120	58.60	N.A.	1.40
90-130	60.08	N.A.	1.40
90-150	60.26	N.A.	1.40
90-180	60.26	N.A.	1.40
110-180	6.87	N.A.	0.20
0-180	4187.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	138.19
10-20	393.16
20-30	593.97
30-40	715.49
40-50	735.95
50-60	652.62
60-70	488.13
70-80	288.29
80-90	120.96
90-100	39.58
100-110	13.82
110-120	5.21
120-130	1.48
130-140	0.18
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

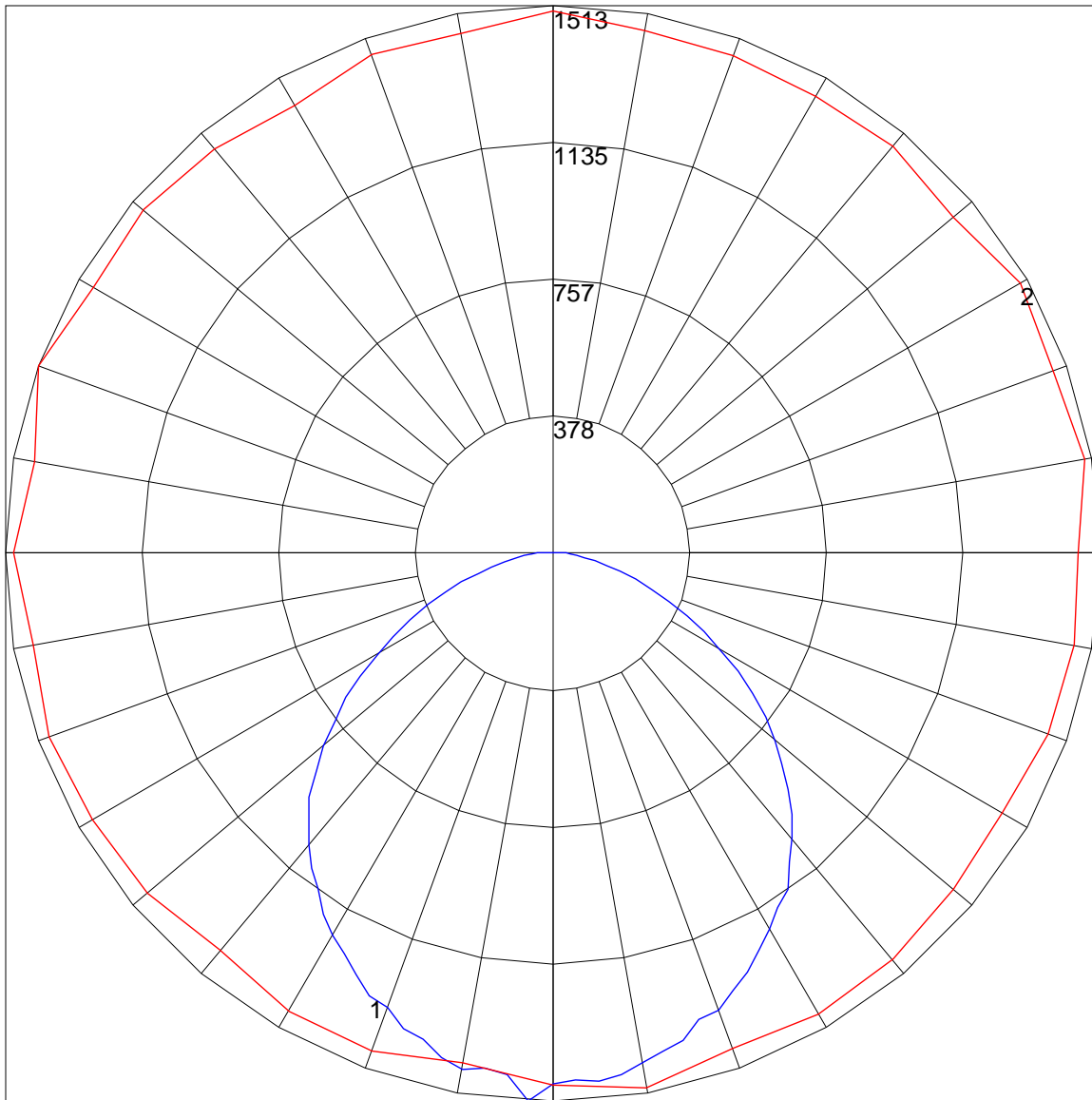
IES INDOOR REPORT  
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	90	83	77	95	88	81	76	84	79	74	80	76	72	77	74	70	68
3	90	79	71	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	70	56	47	41	68	55	47	40	53	46	40	51	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 1513.25 Located At Horizontal Angle = 160, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (160 - 340) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)