



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED2HTMOWT35120-277V-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 13:35:26 2017

[MANUFAC] BEGHELLI

[LUMINAIRE] BS100LED2HTMOWT35120-277V-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: 56.4

[OTHER] Input watts: 40

[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	4780
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
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 : BS100LED2HTMOWT35120-277V-FL\_S.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11031	8630	8695
55	9258	7261	7324
65	6841	5652	5872
75	4529	3821	3960
85	2726	1995	2032

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTMOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION**

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
<b>0.0</b>	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15
<b>2.5</b>	1661.25	1662.56	1655.01	1623.83	1636.54	1647.75	1663.08	1643.34	1621.77	1630.61
<b>5.0</b>	1650.61	1639.53	1671.20	1636.45	1654.32	1644.22	1651.85	1660.31	1643.71	1647.65
<b>7.5</b>	1641.55	1658.22	1633.46	1627.02	1637.55	1641.54	1623.88	1632.65	1642.98	1637.74
<b>10.0</b>	1643.42	1626.66	1614.94	1599.36	1622.65	1620.41	1626.34	1620.82	1629.15	1635.29
<b>12.5</b>	1579.79	1610.10	1601.77	1596.22	1606.03	1594.43	1604.82	1606.11	1597.02	1606.55
<b>15.0</b>	1569.52	1571.39	1587.40	1582.02	1576.78	1584.81	1586.60	1591.82	1586.63	1587.17
<b>17.5</b>	1545.39	1540.67	1550.03	1542.79	1560.75	1547.73	1548.60	1554.89	1565.07	1560.74
<b>20.0</b>	1519.56	1524.62	1511.75	1523.91	1524.12	1532.77	1526.38	1537.50	1541.86	1539.85
<b>22.5</b>	1472.82	1483.64	1480.92	1499.00	1492.99	1492.11	1499.04	1505.30	1513.17	1504.43
<b>25.0</b>	1453.17	1461.97	1458.40	1446.67	1456.36	1462.47	1483.18	1472.35	1478.51	1478.99
<b>27.5</b>	1403.74	1408.46	1402.04	1412.21	1422.52	1420.79	1433.85	1436.55	1441.31	1443.06
<b>30.0</b>	1360.60	1367.25	1361.10	1364.88	1378.32	1380.30	1392.93	1392.74	1416.19	1424.45
<b>32.5</b>	1325.24	1316.06	1320.96	1322.30	1332.09	1345.16	1352.34	1357.49	1373.05	1380.10
<b>35.0</b>	1268.84	1265.21	1275.34	1276.91	1285.75	1290.51	1300.24	1322.43	1332.44	1335.12
<b>37.5</b>	1219.74	1215.27	1228.37	1228.12	1230.61	1243.89	1255.28	1273.59	1288.07	1287.01
<b>40.0</b>	1168.71	1167.95	1165.17	1181.56	1188.72	1194.68	1201.19	1214.79	1240.40	1234.73
<b>42.5</b>	1108.20	1111.64	1115.67	1123.64	1124.31	1140.01	1148.64	1168.66	1183.38	1184.78
<b>45.0</b>	1045.33	1040.62	1058.80	1066.78	1070.90	1085.08	1103.82	1105.32	1128.47	1136.04
<b>47.5</b>	976.61	974.94	984.73	998.22	1009.32	1031.76	1045.90	1059.38	1078.98	1082.54
<b>50.0</b>	897.99	905.14	920.16	938.13	954.64	974.92	980.47	993.47	1007.74	1016.66
<b>52.5</b>	824.43	829.94	845.97	873.97	893.12	905.46	927.83	932.59	951.38	958.91
<b>55.0</b>	748.74	755.93	776.22	804.97	828.81	852.92	866.14	873.49	887.72	896.80
<b>57.5</b>	669.09	679.01	704.26	736.17	764.28	785.87	801.64	810.58	829.21	840.11
<b>60.0</b>	589.47	601.94	630.71	669.46	702.52	726.94	741.87	747.96	762.02	776.49
<b>62.5</b>	515.33	529.05	561.84	600.90	635.92	655.17	683.16	689.24	702.42	715.67
<b>65.0</b>	441.44	455.55	489.78	535.48	571.33	595.11	617.31	627.49	636.32	649.06
<b>67.5</b>	373.99	383.52	424.56	469.46	505.52	532.32	549.16	563.26	572.62	581.27
<b>70.0</b>	309.24	323.32	357.31	402.03	438.81	470.08	489.79	496.54	509.60	511.30
<b>72.5</b>	255.70	265.46	300.49	342.91	384.48	405.08	420.56	428.67	442.75	448.66
<b>75.0</b>	209.37	220.28	248.46	282.06	320.27	347.90	360.67	366.79	369.57	377.16
<b>77.5</b>	165.85	177.50	201.14	236.52	263.35	285.59	296.71	302.15	304.27	312.71
<b>80.0</b>	129.41	137.69	163.16	184.87	212.47	230.51	241.58	241.42	249.88	253.33
<b>82.5</b>	95.59	107.10	125.67	146.25	165.72	185.13	193.38	196.73	197.17	201.53
<b>85.0</b>	72.30	79.89	95.86	112.85	131.15	144.22	148.98	154.88	153.74	156.60
<b>87.5</b>	53.01	60.21	72.04	86.60	99.42	112.13	117.41	119.52	122.37	120.73
<b>90.0</b>	36.19	42.57	54.12	64.43	78.22	86.92	90.32	92.25	93.24	92.21
<b>92.5</b>	24.64	29.96	40.24	49.46	59.14	65.77	69.50	71.50	70.40	73.18
<b>95.0</b>	18.86	20.78	30.10	38.09	45.89	51.21	55.18	53.47	55.20	55.61
<b>97.5</b>	13.48	16.29	23.50	29.71	34.98	39.49	42.08	44.17	43.72	43.44
<b>100.0</b>	10.99	12.56	18.48	22.29	27.97	31.21	34.43	34.80	36.72	35.51
<b>102.5</b>	8.80	10.57	15.39	18.36	22.67	24.81	28.13	29.39	28.62	28.96
<b>105.0</b>	8.45	8.58	12.30	15.74	17.84	21.13	22.77	23.94	24.82	25.08
<b>107.5</b>	7.45	7.92	9.94	12.59	14.75	16.17	19.29	20.87	20.50	21.38
<b>110.0</b>	6.64	7.01	8.47	10.78	12.08	13.62	15.21	16.41	17.01	18.35
<b>112.5</b>	5.62	6.31	7.34	8.82	9.63	11.61	12.74	13.92	14.50	15.35
<b>115.0</b>	5.15	5.89	6.75	6.47	7.41	8.82	9.65	11.79	13.07	12.89
<b>117.5</b>	4.84	5.10	5.38	5.07	5.63	6.71	8.27	9.72	9.88	9.93
<b>120.0</b>	3.88	4.12	4.19	4.16	4.33	5.01	6.54	7.24	7.88	8.15
<b>122.5</b>	3.42	3.22	3.47	3.18	3.82	4.03	4.96	5.93	6.11	6.49
<b>125.0</b>	2.51	2.94	2.94	2.48	2.29	2.88	3.83	4.78	5.34	4.93
<b>127.5</b>	2.23	2.24	2.18	1.84	1.79	2.03	2.59	3.22	3.53	3.74
<b>130.0</b>	1.38	1.96	1.83	1.46	1.00	1.27	1.70	2.07	2.90	3.38
<b>132.5</b>	1.22	1.32	1.05	0.89	0.70	0.88	1.29	2.14	1.94	1.99

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTMOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

135.0	1.00	0.84	0.78	0.45	0.43	0.46	0.81	1.14	1.32	1.55
137.5	0.56	0.59	0.44	0.43	0.25	0.27	0.34	0.68	0.90	1.23
140.0	0.25	0.36	0.26	0.15	0.14	0.12	0.20	0.29	0.67	0.57
142.5	0.15	0.19	0.12	0.13	0.03	0.11	0.08	0.21	0.32	0.26
145.0	0.08	0.04	0.08	0.09	0.02	0.12	0.04	0.18	0.12	0.21
147.5	0.08	0.10	0.06	0.10	0.03	0.14	0.14	0.07	0.02	0.16
150.0	0.13	0.19	0.18	0.24	0.25	0.25	0.10	0.16	0.10	0.01
152.5	0.19	0.17	0.25	0.17	0.30	0.24	0.13	0.31	0.14	0.12
155.0	0.27	0.18	0.33	0.32	0.27	0.20	0.37	0.23	0.24	0.26
157.5	0.11	0.20	0.47	0.31	0.42	0.35	0.24	0.40	0.15	0.22
160.0	0.35	0.32	0.67	0.35	0.35	0.53	0.49	0.42	0.28	0.43
162.5	0.58	0.46	0.47	0.50	0.57	0.47	0.64	0.72	0.28	0.85
165.0	0.40	0.35	0.63	0.31	0.62	0.46	0.26	0.38	0.51	0.58
167.5	0.62	0.45	0.60	0.25	0.61	0.30	0.25	0.54	0.59	0.52
170.0	0.49	0.58	0.38	0.62	0.35	0.34	0.45	0.45	0.34	0.37
172.5	0.46	0.64	0.52	0.45	0.83	0.44	0.91	0.76	0.46	0.75
175.0	0.35	0.40	0.59	0.73	0.24	0.44	0.46	1.14	0.61	0.67
177.5	0.67	0.24	0.47	0.92	1.17	0.81	0.42	0.91	0.74	0.85
180.0	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78

**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	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15
2.5	1686.35	1675.70	1617.13	1637.39	1667.60	1660.32	1664.18	1638.38	1648.73	1645.32
5.0	1650.08	1663.86	1639.56	1667.32	1636.78	1644.69	1671.54	1670.65	1649.00	1670.53
7.5	1644.38	1649.17	1616.24	1631.20	1653.37	1647.20	1647.76	1623.32	1641.92	1617.49
10.0	1618.00	1622.90	1637.48	1636.07	1615.62	1623.29	1627.88	1618.96	1636.09	1623.15
12.5	1605.06	1584.14	1618.84	1605.41	1610.92	1627.08	1607.47	1585.27	1592.53	1604.39
15.0	1579.80	1577.87	1590.81	1577.04	1584.45	1562.75	1559.74	1587.24	1587.42	1580.97
17.5	1549.94	1559.77	1544.90	1549.96	1564.61	1548.92	1549.80	1542.32	1546.42	1551.51
20.0	1532.39	1540.95	1533.90	1526.62	1518.64	1521.44	1528.31	1517.48	1528.07	1516.47
22.5	1503.79	1496.72	1509.30	1489.33	1493.85	1491.80	1475.04	1489.89	1480.07	1481.68
25.0	1471.67	1477.32	1457.65	1461.07	1456.34	1450.32	1437.74	1435.14	1456.25	1443.95
27.5	1438.26	1440.08	1429.63	1416.85	1417.24	1403.08	1414.12	1412.88	1410.21	1414.15
30.0	1414.63	1401.34	1392.64	1393.75	1370.87	1378.58	1371.05	1364.82	1366.40	1374.13
32.5	1365.36	1352.90	1344.16	1338.86	1336.68	1330.93	1324.34	1320.38	1326.59	1321.04
35.0	1337.06	1320.02	1311.87	1293.52	1283.22	1281.58	1276.27	1275.09	1260.14	1275.14
37.5	1290.73	1266.50	1262.52	1237.99	1239.48	1228.97	1228.17	1222.94	1224.48	1222.12
40.0	1243.03	1219.39	1205.87	1188.66	1189.71	1171.52	1170.20	1161.65	1163.98	1171.66
42.5	1187.78	1170.88	1148.07	1141.62	1127.81	1120.63	1106.63	1107.30	1109.96	1110.38
45.0	1133.78	1111.05	1101.44	1081.06	1069.90	1067.83	1051.80	1044.85	1042.55	1051.35
47.5	1068.56	1047.15	1040.29	1038.25	1007.85	1003.14	992.44	975.07	973.05	980.64
50.0	1008.71	993.35	984.00	975.73	955.47	942.71	921.92	903.56	907.68	911.52
52.5	944.75	931.64	927.00	912.16	890.99	873.49	850.47	829.34	819.63	830.34
55.0	888.17	872.28	868.39	847.12	830.88	805.33	772.59	752.99	751.66	760.40
57.5	824.71	812.57	809.39	791.33	768.60	738.76	706.39	676.40	670.56	679.01
60.0	762.71	743.92	742.01	725.09	701.77	667.83	631.01	607.04	588.87	598.21
62.5	702.23	689.35	673.88	659.63	639.77	607.46	558.98	528.12	517.31	530.99
65.0	633.06	626.69	616.20	599.21	572.42	537.82	487.92	460.20	444.35	456.91
67.5	575.35	567.02	551.77	529.03	507.26	463.57	425.34	391.14	375.40	389.44
70.0	506.23	497.69	486.59	465.35	444.48	404.47	363.83	326.89	315.87	328.41
72.5	445.13	432.58	419.98	406.93	381.03	342.93	304.93	270.87	258.26	273.79
75.0	369.60	367.19	361.19	349.09	319.60	287.59	252.78	223.58	211.75	223.87
77.5	305.87	301.38	295.43	287.83	263.57	237.69	202.66	178.47	168.35	178.27
80.0	250.21	244.87	239.96	234.11	215.11	188.11	162.21	139.33	131.07	142.18

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTMOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

82.5	194.63	192.72	190.08	182.87	170.56	147.78	126.88	108.09	99.74	108.77
85.0	154.42	153.95	151.20	144.26	131.29	110.78	96.69	81.69	73.56	81.09
87.5	121.69	120.43	117.82	110.35	103.00	85.90	73.83	60.34	53.85	60.51
90.0	92.97	93.20	92.21	85.38	76.02	64.55	54.28	43.39	35.47	42.87
92.5	72.75	71.28	70.52	64.97	58.49	49.51	40.70	30.32	24.09	30.93
95.0	55.35	55.13	53.92	51.04	44.58	39.44	30.90	22.01	18.11	22.00
97.5	43.86	43.72	42.81	39.89	35.78	29.96	23.06	16.70	13.64	16.12
100.0	34.97	35.41	33.83	31.57	27.92	24.35	18.81	13.69	12.30	13.22
102.5	29.18	28.48	27.46	25.22	21.82	18.93	15.07	11.18	9.75	10.74
105.0	25.23	24.01	22.10	19.81	18.18	15.88	12.62	9.78	8.09	9.36
107.5	21.15	20.07	19.06	16.34	14.41	13.03	10.33	8.73	7.36	8.62
110.0	16.54	16.20	14.63	13.23	11.64	10.33	9.04	7.01	6.87	7.41
112.5	14.08	14.11	11.98	10.68	9.50	8.61	7.29	6.69	5.99	6.97
115.0	12.28	10.42	10.05	8.72	7.59	6.96	5.95	5.53	5.34	5.72
117.5	9.70	9.02	7.95	6.72	5.81	5.35	5.17	5.14	4.66	4.96
120.0	8.25	7.37	6.20	5.37	4.47	4.65	4.17	3.78	3.99	4.24
122.5	5.98	5.72	5.09	3.92	3.28	3.06	3.37	3.60	3.35	3.67
125.0	5.08	4.33	3.88	2.72	2.78	2.26	2.61	2.74	2.87	3.26
127.5	3.60	3.63	2.47	2.04	1.66	2.08	2.25	2.18	2.30	2.32
130.0	2.61	2.13	1.91	1.42	1.20	1.17	1.71	1.84	1.69	1.73
132.5	2.20	1.82	1.32	1.02	0.64	1.07	1.11	1.45	1.53	1.49
135.0	1.31	1.18	0.90	0.51	0.48	0.62	0.95	1.23	1.24	0.92
137.5	0.86	0.92	0.44	0.17	0.22	0.45	0.62	0.86	0.93	0.70
140.0	0.53	0.37	0.22	0.11	0.14	0.19	0.36	0.54	0.42	0.63
142.5	0.25	0.23	0.09	0.06	0.07	0.07	0.15	0.29	0.31	0.27
145.0	0.20	0.05	0.09	0.08	0.06	0.12	0.10	0.12	0.14	0.13
147.5	0.13	0.05	0.09	0.15	0.09	0.16	0.07	0.11	0.05	0.04
150.0	0.06	0.12	0.16	0.21	0.12	0.21	0.21	0.20	0.10	0.14
152.5	0.14	0.17	0.24	0.30	0.21	0.23	0.18	0.17	0.23	0.08
155.0	0.16	0.20	0.22	0.20	0.35	0.26	0.19	0.32	0.26	0.16
157.5	0.25	0.25	0.56	0.36	0.40	0.33	0.63	0.48	0.33	0.37
160.0	0.38	0.29	0.37	0.51	0.47	0.63	0.61	0.33	0.36	0.35
162.5	0.43	0.36	0.50	0.23	0.30	0.58	0.55	0.66	0.66	0.32
165.0	0.45	0.34	0.38	0.46	0.52	0.43	0.31	0.67	0.53	0.55
167.5	0.63	0.64	0.78	0.64	0.54	0.70	0.46	0.80	0.65	0.33
170.0	0.29	0.30	0.40	0.74	0.69	0.58	0.42	0.71	0.59	0.65
172.5	0.70	0.44	0.99	0.99	0.56	0.79	0.32	0.74	0.59	0.31
175.0	0.41	0.45	0.33	0.70	0.58	0.42	0.50	0.69	0.82	0.31
177.5	0.64	0.20	0.87	0.02	0.41	1.86	0.46	0.30	0.22	1.48
180.0	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78

**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	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15
2.5	1656.15	1645.52	1654.26	1625.57	1659.18	1667.45	1657.27	1638.30	1678.42	1661.81
5.0	1659.31	1661.72	1646.24	1648.44	1661.06	1661.52	1643.23	1663.04	1631.89	1652.51
7.5	1629.62	1632.74	1648.35	1644.73	1637.03	1645.16	1645.80	1646.43	1643.03	1654.95
10.0	1615.18	1621.28	1632.56	1643.82	1630.05	1623.34	1634.24	1620.52	1625.88	1631.71
12.5	1602.65	1597.43	1601.35	1614.90	1607.18	1631.13	1608.79	1615.46	1605.64	1612.06
15.0	1570.12	1585.38	1588.13	1584.78	1590.01	1592.05	1587.77	1566.23	1599.07	1582.73
17.5	1548.94	1559.65	1550.83	1552.13	1544.61	1551.60	1557.63	1546.26	1545.76	1557.50
20.0	1531.08	1525.28	1539.24	1521.16	1535.95	1525.43	1525.92	1526.89	1531.04	1540.98
22.5	1469.56	1488.17	1484.51	1486.14	1508.92	1501.10	1504.26	1517.10	1508.25	1511.26
25.0	1449.10	1457.46	1446.86	1458.38	1458.83	1460.17	1476.43	1486.52	1478.24	1473.11
27.5	1402.35	1412.15	1414.51	1421.02	1444.10	1438.11	1445.39	1443.47	1443.22	1434.22

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTMOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

30.0	1361.26	1364.67	1372.72	1385.38	1386.48	1401.71	1406.11	1430.83	1410.46	1399.75
32.5	1315.29	1337.25	1339.03	1350.16	1347.97	1350.87	1374.71	1377.30	1367.54	1357.21
35.0	1282.47	1284.09	1283.83	1291.57	1308.06	1309.05	1333.30	1326.09	1324.21	1314.18
37.5	1215.64	1227.28	1240.38	1246.91	1250.61	1263.66	1283.99	1294.12	1296.95	1272.36
40.0	1158.21	1172.65	1181.26	1188.07	1200.97	1220.40	1237.96	1247.76	1244.75	1221.22
42.5	1112.05	1118.62	1129.83	1139.15	1155.41	1167.62	1182.54	1180.57	1175.48	1166.48
45.0	1052.22	1057.24	1074.14	1086.49	1102.62	1113.56	1131.39	1123.18	1126.87	1118.77
47.5	988.50	999.11	1016.55	1033.11	1040.21	1057.57	1075.02	1083.59	1074.60	1057.40
50.0	920.50	938.16	961.17	976.81	997.08	993.03	1014.04	1020.76	1010.22	994.55
52.5	842.63	870.09	897.12	915.71	929.71	933.46	947.15	955.01	945.66	930.96
55.0	775.08	810.71	830.33	851.56	863.10	869.84	883.85	896.33	892.88	873.42
57.5	704.67	741.13	765.42	788.66	808.95	809.47	830.51	832.43	826.19	807.23
60.0	624.90	671.56	702.50	722.44	733.58	749.14	761.70	772.62	761.34	750.48
62.5	558.97	600.50	634.84	661.00	672.91	687.19	702.70	713.79	703.58	684.49
65.0	488.75	534.48	570.88	597.61	613.65	623.30	639.90	646.92	634.95	631.07
67.5	426.29	466.95	506.31	535.30	547.97	565.89	574.81	581.69	576.30	562.52
70.0	366.09	407.35	439.50	468.08	487.64	499.53	509.68	516.82	508.47	498.13
72.5	305.80	342.04	381.30	408.15	423.52	436.44	441.13	447.57	443.00	431.05
75.0	250.94	286.94	322.70	346.16	357.70	369.45	371.74	378.92	372.42	363.76
77.5	206.65	237.12	264.15	285.51	299.20	300.17	307.99	309.86	307.05	301.56
80.0	162.13	189.94	211.69	233.73	239.18	242.31	248.88	250.49	245.96	244.55
82.5	126.12	148.55	168.68	182.54	190.71	193.74	196.03	201.27	197.95	195.85
85.0	96.09	111.44	129.49	144.37	149.72	153.06	154.30	157.74	154.37	154.35
87.5	70.79	86.08	101.90	109.06	115.71	120.79	119.31	119.18	121.91	119.16
90.0	55.55	66.36	77.68	86.16	91.23	92.87	93.44	92.29	91.66	92.56
92.5	39.82	50.03	59.75	65.55	70.31	70.67	72.23	69.92	70.98	71.30
95.0	28.82	38.57	44.95	50.70	53.35	55.28	55.84	55.00	54.61	56.93
97.5	23.10	29.14	34.41	39.40	41.12	43.74	42.94	44.04	44.14	44.96
100.0	18.62	23.34	28.17	31.51	33.08	33.62	34.46	35.39	35.20	34.15
102.5	14.73	18.82	21.61	24.97	27.31	28.42	29.68	28.94	29.85	29.28
105.0	12.18	15.11	18.29	20.28	22.19	23.90	24.80	24.66	24.96	24.36
107.5	10.11	12.26	13.95	16.57	18.60	19.28	20.40	21.18	21.05	20.80
110.0	9.28	9.84	11.61	12.92	14.35	16.18	16.86	18.08	17.86	16.54
112.5	7.53	8.81	9.27	10.89	11.82	14.14	14.01	15.19	14.50	14.45
115.0	6.52	6.91	8.13	8.26	10.15	11.02	11.76	12.63	12.18	10.97
117.5	5.00	5.75	5.80	6.76	7.63	8.98	9.92	10.27	10.23	9.76
120.0	4.18	4.23	4.67	5.46	6.04	7.37	8.17	8.44	8.24	7.30
122.5	3.36	3.29	3.48	3.93	4.83	5.74	6.38	6.48	5.96	5.94
125.0	3.01	2.49	2.64	3.24	3.65	4.28	5.08	5.15	4.61	4.47
127.5	2.09	1.98	1.74	1.98	2.58	3.55	3.69	3.95	3.85	3.47
130.0	1.71	1.36	1.41	1.57	2.03	2.52	2.74	2.99	3.09	2.15
132.5	0.99	1.15	0.55	0.80	1.23	1.92	2.04	2.01	2.07	1.74
135.0	0.94	0.65	0.42	0.48	0.74	1.07	1.51	1.57	1.74	1.07
137.5	0.79	0.40	0.34	0.16	0.48	0.85	1.01	1.11	1.16	0.84
140.0	0.29	0.22	0.12	0.16	0.16	0.39	0.62	0.62	0.61	0.31
142.5	0.12	0.13	0.10	0.00	0.12	0.22	0.32	0.46	0.35	0.24
145.0	0.12	0.07	0.09	0.06	0.18	0.16	0.19	0.19	0.10	0.14
147.5	0.05	0.15	0.11	0.04	0.12	0.12	0.18	0.15	0.12	0.09
150.0	0.16	0.27	0.26	0.14	0.20	0.07	0.10	0.06	0.10	0.18
152.5	0.36	0.31	0.16	0.29	0.17	0.17	0.07	0.06	0.09	0.16
155.0	0.34	0.31	0.38	0.26	0.20	0.34	0.24	0.19	0.25	0.28
157.5	0.24	0.39	0.48	0.37	0.32	0.43	0.26	0.32	0.27	0.24
160.0	0.65	0.47	0.63	0.43	0.26	0.39	0.24	0.38	0.46	0.55
162.5	0.34	0.41	0.75	0.54	0.24	0.44	0.23	0.51	0.69	0.44
165.0	0.73	0.49	0.62	0.53	0.28	0.57	0.64	0.68	0.49	0.40
167.5	0.62	0.54	0.81	0.66	0.51	0.76	0.54	0.42	0.41	0.35

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTMOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	0.43	0.56	0.47	0.64	0.36	0.43	0.65	0.47	0.58	0.19
<b>172.5</b>	0.47	0.53	0.49	0.82	0.76	0.46	0.51	0.49	0.54	0.89
<b>175.0</b>	0.61	0.68	0.89	0.79	0.25	0.33	0.24	0.84	0.24	0.36
<b>177.5</b>	0.46	0.24	0.44	0.47	0.16	1.03	0.72	0.75	0.22	0.24
<b>180.0</b>	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78

**Vert. Horizontal Angles**

	<b><u>300</u></b>	<b><u>310</u></b>	<b><u>320</u></b>	<b><u>330</u></b>	<b><u>340</u></b>	<b><u>350</u></b>	<b><u>360</u></b>
<b>0.0</b>	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15	1641.15
<b>2.5</b>	1652.50	1650.70	1644.08	1632.14	1665.73	1676.09	1661.25
<b>5.0</b>	1644.25	1656.93	1655.40	1647.80	1651.97	1652.33	1650.61
<b>7.5</b>	1639.47	1656.40	1645.36	1658.13	1652.99	1638.40	1641.55
<b>10.0</b>	1644.66	1621.11	1627.70	1624.27	1623.53	1601.85	1643.49
<b>12.5</b>	1613.89	1625.44	1624.34	1603.48	1587.78	1617.47	1579.79
<b>15.0</b>	1581.08	1579.29	1573.66	1589.73	1577.30	1578.49	1569.52
<b>17.5</b>	1556.14	1565.38	1553.58	1547.61	1552.12	1542.89	1545.39
<b>20.0</b>	1521.03	1521.76	1523.85	1524.86	1527.34	1523.62	1519.56
<b>22.5</b>	1511.76	1489.91	1492.48	1493.24	1471.96	1487.55	1472.82
<b>25.0</b>	1466.90	1463.45	1441.55	1447.02	1445.10	1444.93	1453.19
<b>27.5</b>	1430.21	1423.44	1417.58	1404.94	1400.49	1400.58	1403.74
<b>30.0</b>	1391.40	1377.94	1376.18	1363.76	1367.27	1369.37	1360.60
<b>32.5</b>	1355.25	1339.98	1330.96	1324.57	1323.63	1314.58	1325.24
<b>35.0</b>	1297.61	1293.36	1282.66	1283.51	1270.38	1274.07	1268.86
<b>37.5</b>	1259.17	1239.24	1239.77	1230.06	1227.02	1218.02	1219.74
<b>40.0</b>	1207.31	1192.40	1181.11	1176.15	1171.90	1170.43	1168.71
<b>42.5</b>	1151.06	1141.26	1130.17	1123.58	1109.90	1102.68	1108.21
<b>45.0</b>	1098.45	1090.52	1073.66	1063.64	1050.33	1045.37	1045.33
<b>47.5</b>	1037.15	1031.22	1015.78	998.87	986.67	970.98	976.61
<b>50.0</b>	985.81	978.41	951.11	936.87	922.28	901.45	897.99
<b>52.5</b>	920.49	917.27	901.68	870.18	845.59	828.78	824.43
<b>55.0</b>	866.39	854.22	833.93	804.69	778.43	755.80	748.74
<b>57.5</b>	800.52	787.47	764.71	738.37	703.75	678.12	669.09
<b>60.0</b>	737.52	724.65	704.01	670.96	631.14	599.42	589.48
<b>62.5</b>	672.36	660.09	636.15	598.77	558.34	523.43	515.33
<b>65.0</b>	610.58	592.00	571.39	535.48	488.50	451.78	441.44
<b>67.5</b>	547.93	532.25	507.73	464.78	420.95	384.93	373.99
<b>70.0</b>	488.25	468.83	440.69	404.33	360.65	324.34	309.25
<b>72.5</b>	424.70	407.58	380.45	337.03	301.93	269.23	255.70
<b>75.0</b>	359.30	347.02	319.01	284.60	250.30	219.38	209.37
<b>77.5</b>	293.73	287.60	264.64	232.04	203.68	177.73	165.86
<b>80.0</b>	239.47	230.68	213.32	185.91	161.83	137.64	129.41
<b>82.5</b>	190.39	185.66	170.03	146.43	125.68	106.23	95.59
<b>85.0</b>	151.55	147.06	129.87	113.04	93.96	81.05	72.30
<b>87.5</b>	119.88	110.45	101.27	86.14	71.36	58.72	53.01
<b>90.0</b>	91.08	84.88	77.85	64.92	53.36	42.52	36.19
<b>92.5</b>	70.40	67.13	58.80	50.04	40.44	30.22	24.64
<b>95.0</b>	54.72	50.58	45.58	37.10	30.44	22.22	18.86
<b>97.5</b>	43.17	38.54	36.40	29.51	23.60	15.55	13.48
<b>100.0</b>	33.36	31.26	27.10	23.96	17.85	13.30	10.99
<b>102.5</b>	27.52	25.41	23.50	18.88	14.22	10.91	8.80
<b>105.0</b>	22.68	20.29	18.02	15.40	12.21	8.93	8.46
<b>107.5</b>	18.74	16.36	14.53	12.68	10.36	8.18	7.46
<b>110.0</b>	13.95	13.21	11.73	10.11	9.35	7.34	6.65
<b>112.5</b>	12.48	10.90	9.76	8.37	7.39	6.25	5.62
<b>115.0</b>	9.93	8.59	7.69	6.37	6.10	5.26	5.15

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTMOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

117.5	8.62	6.21	6.22	5.89	4.88	4.73	4.84
120.0	6.82	5.48	4.56	4.37	4.49	4.20	3.88
122.5	4.79	4.11	3.42	3.27	3.12	3.54	3.42
125.0	3.97	3.06	2.35	2.61	2.70	3.01	2.51
127.5	2.76	2.35	1.72	2.02	2.10	2.29	2.23
130.0	1.81	1.43	1.14	1.21	1.80	1.95	1.39
132.5	1.25	0.99	0.81	0.96	1.27	1.39	1.22
135.0	0.99	0.46	0.37	0.60	0.74	0.86	1.00
137.5	0.41	0.25	0.28	0.37	0.49	0.61	0.56
140.0	0.12	0.16	0.12	0.18	0.27	0.37	0.25
142.5	0.19	0.08	0.05	0.10	0.26	0.24	0.16
145.0	0.13	0.15	0.16	0.10	0.02	0.09	0.08
147.5	0.04	0.15	0.20	0.09	0.12	0.06	0.08
150.0	0.28	0.27	0.25	0.17	0.11	0.11	0.13
152.5	0.24	0.17	0.25	0.30	0.27	0.19	0.19
155.0	0.27	0.25	0.32	0.21	0.24	0.34	0.27
157.5	0.24	0.34	0.43	0.46	0.42	0.21	0.11
160.0	0.24	0.24	0.48	0.35	0.59	0.37	0.35
162.5	0.50	0.48	0.39	0.56	0.20	0.63	0.58
165.0	0.40	0.46	0.52	0.35	0.52	0.51	0.40
167.5	0.60	0.59	0.76	0.85	0.55	0.65	0.62
170.0	0.78	0.95	0.71	0.31	0.56	0.35	0.49
172.5	0.59	0.39	0.62	0.59	0.55	0.43	0.46
175.0	0.68	0.90	1.04	0.96	0.47	0.34	0.35
177.5	0.64	0.26	0.47	1.13	0.66	0.46	0.67
180.0	0.78	0.78	0.78	0.78	0.78	0.78	0.78



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTMOWT35120-277V-FL\_S.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	602.82	N.A.	12.60
0-30	1275.7	N.A.	26.70
0-40	2085.86	N.A.	43.60
0-60	3662.18	N.A.	76.60
0-80	4553.47	N.A.	95.30
0-90	4696.97	N.A.	98.30
10-90	4540.25	N.A.	95.00
20-40	1483.05	N.A.	31.00
20-50	2317.81	N.A.	48.50
40-70	2134.53	N.A.	44.70
60-80	891.28	N.A.	18.60
70-80	333.07	N.A.	7.00
80-90	143.51	N.A.	3.00
90-110	69.92	N.A.	1.50
90-120	78.67	N.A.	1.60
90-130	81.86	N.A.	1.70
90-150	82.74	N.A.	1.70
90-180	83.06	N.A.	1.70
110-180	13.14	N.A.	0.30
0-180	4780.03	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

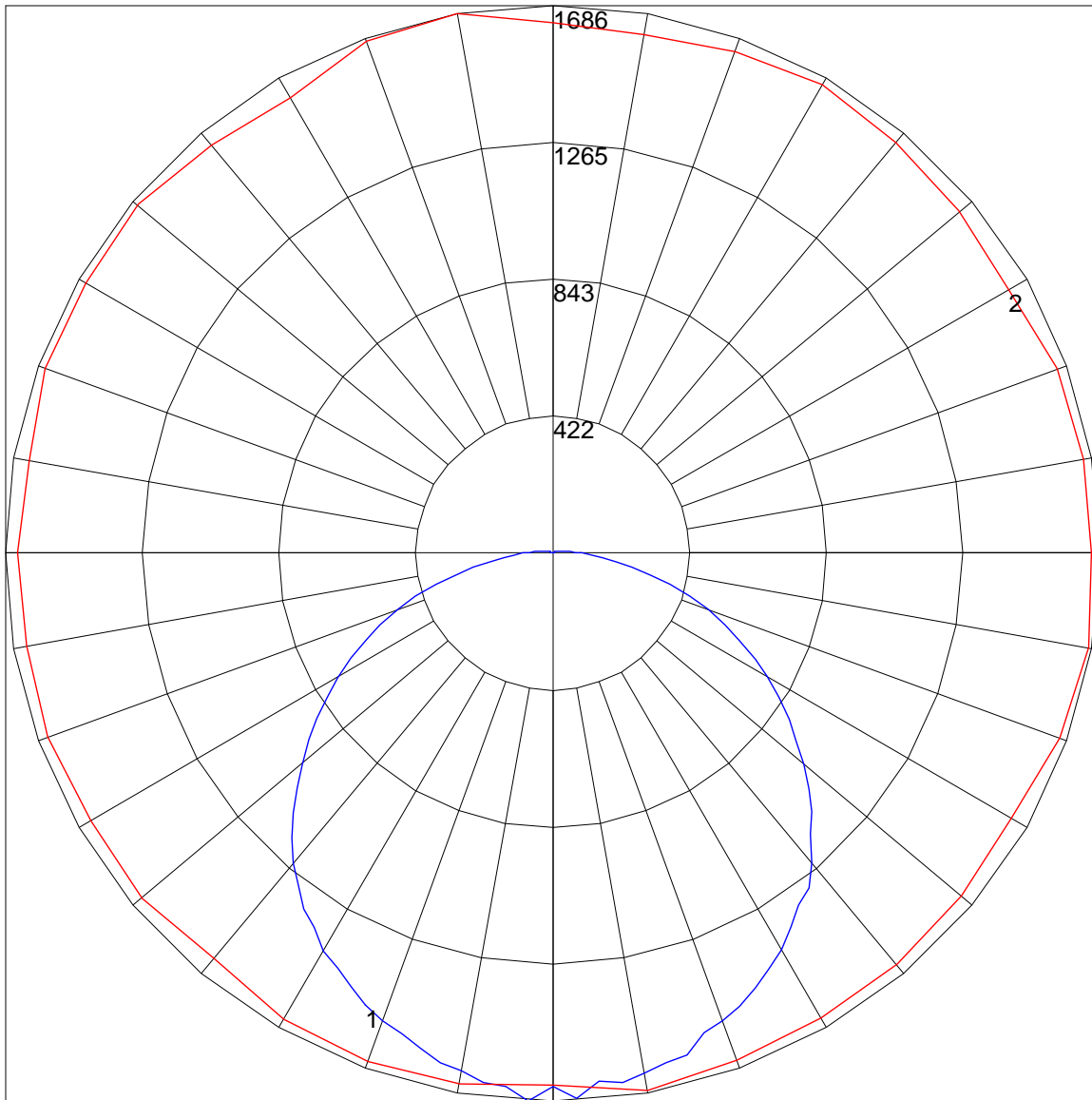
Zone	Lumens
0-10	156.72
10-20	446.10
20-30	672.89
30-40	810.16
40-50	834.76
50-60	741.56
60-70	558.21
70-80	333.07
80-90	143.51
90-100	50.08
100-110	19.84
110-120	8.75
120-130	3.20
130-140	0.78
140-150	0.10
150-160	0.12
160-170	0.14
170-180	0.06

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	90	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 = 1686.35 Located At Horizontal Angle = 100, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (100 - 280) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)