



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-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 10:44:11 2017

[MANUFAC] BEGHELLI

[LUMINAIRE] BS100LED4HTLOWT50120V-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: 34.4

[OTHER] Input watts: 50

[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	5837
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-277V-FL\_S.IES**

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7334	5696	5576
55	6227	4790	4699
65	4470	3762	3753
75	2644	2586	2592
85	1421	1386	1301

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-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>	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52
<b>2.5</b>	1996.90	2030.62	2011.13	2089.62	2059.42	2009.97	2052.09	2036.56	2006.47	1992.32
<b>5.0</b>	1999.85	2035.29	2033.78	2034.61	1995.26	2019.07	2060.58	2025.19	2045.67	2028.92
<b>7.5</b>	2017.80	2003.84	1996.38	2026.04	2001.44	2012.18	2019.30	1977.39	2025.28	1995.61
<b>10.0</b>	2004.35	2001.80	2001.15	1977.14	2001.34	1985.12	1994.95	1988.89	1983.08	1986.39
<b>12.5</b>	1968.10	1937.37	1958.88	1952.02	1953.75	1956.03	1954.87	1983.91	1984.26	1961.64
<b>15.0</b>	1940.66	1946.10	1940.38	1931.58	1921.23	1936.36	1955.14	1940.39	1957.59	1954.24
<b>17.5</b>	1892.88	1896.69	1903.12	1884.18	1897.37	1911.13	1905.65	1908.28	1926.42	1913.43
<b>20.0</b>	1855.04	1861.54	1861.35	1851.05	1844.08	1878.70	1872.82	1882.39	1884.85	1881.50
<b>22.5</b>	1809.90	1799.38	1800.91	1803.53	1827.81	1823.83	1844.33	1854.80	1856.11	1880.58
<b>25.0</b>	1771.87	1779.44	1781.03	1776.02	1783.20	1789.33	1797.76	1798.54	1823.31	1831.88
<b>27.5</b>	1715.39	1722.36	1716.48	1733.44	1732.59	1723.36	1751.20	1753.95	1769.76	1787.65
<b>30.0</b>	1662.80	1661.02	1668.28	1666.00	1684.20	1697.02	1703.86	1716.46	1729.58	1742.37
<b>32.5</b>	1619.50	1615.32	1617.40	1620.85	1614.67	1627.80	1650.65	1669.97	1681.39	1686.67
<b>35.0</b>	1553.75	1560.49	1563.11	1559.26	1575.68	1585.66	1589.01	1609.06	1617.55	1620.05
<b>37.5</b>	1495.77	1492.88	1497.99	1494.79	1517.74	1527.49	1528.00	1536.55	1570.74	1591.33
<b>40.0</b>	1433.77	1433.84	1431.13	1436.68	1452.39	1460.96	1466.53	1489.18	1508.25	1522.17
<b>42.5</b>	1349.08	1355.05	1356.49	1372.14	1379.96	1400.02	1395.77	1416.60	1442.64	1458.96
<b>45.0</b>	1269.13	1293.34	1285.82	1301.69	1319.44	1328.27	1334.19	1352.55	1373.51	1392.93
<b>47.5</b>	1188.46	1197.05	1202.58	1220.01	1240.07	1253.16	1271.58	1285.77	1315.66	1329.44
<b>50.0</b>	1096.52	1108.34	1118.11	1148.04	1168.08	1179.28	1198.07	1211.65	1235.61	1250.51
<b>52.5</b>	999.76	1018.06	1036.74	1065.07	1084.73	1104.74	1121.18	1139.42	1157.44	1167.73
<b>55.0</b>	900.55	910.79	939.09	981.00	1014.41	1029.74	1056.25	1053.15	1082.82	1097.49
<b>57.5</b>	796.82	816.70	847.35	894.41	933.16	958.46	976.47	992.73	1007.01	1016.71
<b>60.0</b>	708.13	713.14	745.97	805.44	843.61	877.08	910.91	913.87	930.25	939.44
<b>62.5</b>	600.43	612.57	662.81	720.00	769.83	804.17	818.82	835.71	859.59	866.04
<b>65.0</b>	499.84	518.26	573.92	630.22	685.34	728.46	753.25	761.02	777.57	788.96
<b>67.5</b>	410.48	428.81	485.40	553.25	608.70	654.77	669.79	691.17	705.96	713.15
<b>70.0</b>	332.58	351.60	407.03	478.22	535.77	574.46	595.54	609.56	617.45	628.01
<b>72.5</b>	255.77	280.83	337.00	403.68	459.39	500.03	520.39	528.38	540.23	550.58
<b>75.0</b>	199.91	216.24	270.41	331.55	388.14	422.25	440.67	455.19	458.33	467.71
<b>77.5</b>	148.10	166.09	214.19	270.63	317.25	355.19	369.64	373.26	380.22	387.20
<b>80.0</b>	107.73	125.28	164.23	215.07	258.72	285.21	296.10	302.34	307.55	310.45
<b>82.5</b>	74.69	91.60	125.68	164.46	200.71	226.61	234.51	240.13	244.04	247.69
<b>85.0</b>	52.69	66.51	95.04	123.99	156.29	178.36	185.71	188.16	189.43	188.97
<b>87.5</b>	36.37	46.46	68.75	94.85	117.62	133.89	144.66	147.02	146.03	145.67
<b>90.0</b>	21.34	32.26	50.12	70.78	89.13	102.54	109.81	112.24	112.34	109.59
<b>92.5</b>	13.97	21.21	35.75	51.88	67.28	77.04	81.55	83.30	86.06	83.81
<b>95.0</b>	10.28	13.44	25.41	37.32	50.31	59.71	63.76	63.90	63.24	64.78
<b>97.5</b>	7.85	9.46	18.05	27.73	37.64	44.25	49.24	50.72	50.71	49.82
<b>100.0</b>	6.01	7.03	12.64	21.06	27.37	33.92	38.60	40.31	40.55	40.17
<b>102.5</b>	5.37	5.57	9.30	15.30	21.91	25.60	30.60	31.95	32.69	31.06
<b>105.0</b>	4.22	4.47	5.93	10.89	16.75	20.27	24.34	26.12	27.35	27.65
<b>107.5</b>	3.51	3.77	5.04	7.64	11.39	15.53	19.92	21.30	22.47	22.98
<b>110.0</b>	2.70	3.25	3.41	5.36	9.12	11.35	15.12	18.05	18.50	18.57
<b>112.5</b>	2.30	2.77	2.61	4.09	6.08	9.60	11.97	14.05	15.59	15.68
<b>115.0</b>	2.02	2.40	2.11	2.63	4.49	6.70	9.37	10.69	11.99	11.68
<b>117.5</b>	1.77	1.80	1.59	1.28	2.95	5.07	7.59	9.29	9.91	10.75
<b>120.0</b>	1.53	1.56	1.35	1.02	2.00	3.59	5.17	6.90	8.08	7.77
<b>122.5</b>	1.41	1.24	1.11	0.82	0.91	2.50	3.58	5.10	5.46	5.82
<b>125.0</b>	1.11	0.88	0.77	0.64	0.59	1.33	2.74	3.58	3.91	4.49
<b>127.5</b>	0.69	0.83	0.65	0.48	0.23	0.74	1.79	2.34	2.94	3.03
<b>130.0</b>	0.63	0.47	0.45	0.27	0.10	0.11	0.74	1.57	1.89	2.25
<b>132.5</b>	0.46	0.45	0.33	0.38	0.13	0.07	0.19	0.89	0.92	1.04

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

135.0	0.24	0.37	0.14	0.07	0.02	0.04	0.00	0.25	0.44	0.59
137.5	0.19	0.04	0.06	0.05	0.05	0.04	0.00	0.00	0.02	0.16
140.0	0.07	0.12	0.09	0.07	0.04	0.00	0.00	0.00	0.00	0.00
142.5	0.02	0.03	0.02	0.02	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
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>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	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52
2.5	2044.32	2050.75	2099.48	2060.04	2072.64	2089.50	2065.67	2017.17	2055.55	2079.21
5.0	2049.71	2017.85	2026.69	2030.96	2014.85	2081.73	2038.53	2024.53	2030.04	2039.69
7.5	2041.12	2025.56	2015.01	2026.53	2031.88	2005.26	2006.30	2011.73	2030.88	2007.01
10.0	1968.26	1962.67	2002.90	1974.18	1984.82	1993.33	1998.41	1997.99	2008.89	2007.33
12.5	1989.04	1975.24	1980.20	1961.10	1985.29	1958.29	1972.07	1968.71	1988.54	1972.00
15.0	1939.11	1940.24	1942.95	1950.65	1968.52	1959.20	1939.30	1936.52	1948.14	1940.85
17.5	1908.95	1923.02	1912.08	1917.17	1916.91	1923.14	1925.43	1934.41	1925.40	1917.63
20.0	1896.69	1885.96	1890.07	1877.47	1881.05	1896.49	1871.47	1879.85	1878.10	1880.13
22.5	1851.86	1863.52	1843.70	1845.39	1848.20	1853.16	1842.30	1841.25	1835.55	1844.46
25.0	1821.57	1818.14	1799.97	1818.95	1796.17	1804.71	1780.29	1794.39	1789.16	1798.32
27.5	1789.75	1778.41	1760.34	1748.36	1753.71	1747.18	1747.21	1757.04	1757.40	1762.37
30.0	1733.16	1714.97	1711.19	1710.62	1697.33	1710.71	1694.74	1696.85	1698.49	1704.14
32.5	1697.24	1680.40	1666.71	1660.55	1647.77	1663.10	1650.58	1640.71	1642.53	1639.15
35.0	1641.95	1620.22	1600.29	1598.16	1596.85	1585.44	1579.48	1585.73	1592.29	1596.14
37.5	1581.92	1563.53	1544.17	1539.86	1536.35	1530.18	1521.64	1524.78	1526.05	1523.18
40.0	1521.05	1492.34	1485.69	1469.29	1473.16	1468.50	1462.86	1465.86	1459.65	1457.21
42.5	1456.28	1439.35	1420.14	1409.75	1405.84	1395.44	1391.37	1397.03	1388.01	1391.58
45.0	1383.71	1369.01	1349.41	1343.06	1330.25	1313.58	1314.88	1312.32	1307.35	1312.61
47.5	1315.72	1299.25	1281.55	1269.39	1256.73	1251.09	1232.15	1236.93	1222.99	1228.56
50.0	1248.53	1220.25	1219.58	1185.69	1184.82	1168.57	1152.76	1135.10	1131.77	1138.94
52.5	1165.82	1158.64	1133.95	1131.03	1106.62	1092.28	1061.39	1047.47	1040.63	1053.09
55.0	1082.75	1077.67	1068.92	1051.12	1039.10	1011.58	972.22	951.75	933.85	944.84
57.5	1006.87	1002.92	989.56	976.55	948.69	922.33	877.65	846.94	838.75	849.67
60.0	936.60	926.32	918.22	899.64	870.81	835.90	786.73	749.99	734.56	750.38
62.5	858.58	843.51	839.01	823.32	794.84	747.13	695.03	647.57	638.55	652.45
65.0	779.95	770.73	761.86	743.10	713.05	665.39	602.34	555.41	540.41	558.28
67.5	702.09	698.66	688.29	668.15	636.57	573.81	518.31	468.15	454.74	467.44
70.0	629.66	616.77	610.79	586.23	553.99	499.26	439.44	393.97	372.11	387.78
72.5	540.23	540.70	537.62	508.82	476.79	423.39	365.49	317.54	299.45	311.70
75.0	462.51	455.29	455.24	440.35	405.41	357.22	297.37	253.40	233.60	251.02
77.5	384.26	376.93	378.10	362.87	333.44	287.15	239.29	195.45	178.90	194.94
80.0	312.62	306.76	305.54	292.71	272.19	230.15	186.06	148.40	133.04	146.98

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

82.5	244.74	244.45	241.49	230.38	211.78	179.89	143.82	110.63	96.92	110.94
85.0	190.30	189.93	190.42	181.34	161.24	136.91	106.50	79.60	67.53	80.55
87.5	146.91	146.16	145.62	138.27	123.69	100.30	79.09	55.98	45.57	57.76
90.0	110.67	112.13	110.73	104.44	92.27	75.67	56.82	40.43	29.25	40.13
92.5	83.52	84.70	82.90	77.94	69.09	56.24	40.27	26.20	17.94	26.94
95.0	65.24	65.73	61.71	59.35	53.96	40.37	29.03	17.02	13.52	17.89
97.5	49.59	49.83	48.43	46.34	39.14	31.47	21.72	12.96	10.94	12.84
100.0	38.98	39.38	38.72	35.47	29.61	22.57	15.91	9.53	7.87	9.64
102.5	32.89	31.55	30.00	26.29	22.08	16.90	11.72	7.51	7.53	7.63
105.0	26.36	27.39	25.13	20.78	18.12	13.15	8.74	7.07	5.82	6.58
107.5	23.11	21.69	19.44	16.01	12.58	10.27	6.89	5.87	5.28	5.94
110.0	18.52	17.88	16.58	12.51	10.16	8.42	5.71	5.56	5.31	5.56
112.5	14.96	14.29	11.87	10.04	7.86	5.91	5.22	4.49	4.12	4.67
115.0	12.38	12.33	9.69	7.55	6.19	4.37	3.78	3.57	4.16	4.50
117.5	10.27	8.69	8.04	5.70	4.22	3.14	3.72	3.49	3.41	3.02
120.0	8.18	7.13	5.65	3.94	2.66	2.46	2.99	2.66	2.90	2.86
122.5	5.39	5.30	4.03	2.79	1.79	1.96	2.21	2.59	2.66	2.49
125.0	3.89	3.75	2.84	1.69	0.86	1.45	1.72	2.07	1.87	1.86
127.5	3.18	2.33	1.67	0.71	0.66	1.10	1.43	1.51	1.42	1.70
130.0	1.88	1.35	0.82	0.36	0.47	0.77	1.11	1.21	0.95	1.20
132.5	0.99	0.69	0.25	0.16	0.11	0.63	0.52	0.70	0.78	0.66
135.0	0.50	0.26	0.00	0.07	0.15	0.32	0.43	0.48	0.44	0.36
137.5	0.03	0.00	0.00	0.04	0.09	0.16	0.23	0.15	0.35	0.25
140.0	0.00	0.00	0.00	0.00	0.05	0.04	0.09	0.16	0.16	0.22
142.5	0.00	0.00	0.00	0.00	0.02	0.04	0.03	0.04	0.09	0.02
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.02	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

**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	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52
2.5	2070.16	2042.35	2014.27	2058.47	2041.79	2066.75	2013.74	2075.82	2045.83	2048.73
5.0	2045.54	2027.23	2022.41	2052.98	2033.92	2047.52	2031.93	2077.67	2039.04	2020.56
7.5	2022.19	2025.00	2029.11	2034.58	2019.62	2007.27	2029.71	2025.43	2018.33	2010.96
10.0	1996.51	1982.27	1978.42	2004.04	1991.38	1985.63	1977.81	1999.23	1997.45	1993.60
12.5	1989.74	1957.33	1971.37	1973.45	1968.80	1978.53	1973.74	1968.50	1967.79	1961.30
15.0	1952.59	1930.56	1955.16	1935.26	1959.96	1939.04	1941.62	1971.32	1929.33	1944.18
17.5	1920.21	1909.97	1904.89	1922.64	1932.83	1933.66	1929.49	1928.69	1932.31	1903.60
20.0	1880.52	1886.79	1876.33	1886.74	1893.25	1882.65	1902.44	1877.24	1881.78	1890.41
22.5	1824.65	1847.22	1839.48	1859.19	1854.97	1849.41	1865.90	1860.82	1849.75	1840.03
25.0	1804.36	1797.99	1801.84	1793.66	1791.61	1804.34	1826.72	1818.50	1826.45	1792.48
27.5	1759.50	1751.63	1767.09	1761.02	1767.89	1767.70	1764.52	1779.14	1768.25	1758.51

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

30.0	1700.51	1707.86	1702.90	1711.85	1711.61	1734.10	1738.28	1741.69	1732.92	1715.90
32.5	1645.93	1656.19	1646.10	1651.59	1668.07	1681.31	1687.40	1678.98	1688.29	1667.51
35.0	1592.00	1584.44	1590.22	1601.83	1598.27	1623.63	1628.13	1644.22	1629.40	1613.56
37.5	1533.65	1527.59	1533.19	1525.78	1549.60	1559.68	1571.41	1586.24	1574.55	1550.66
40.0	1457.33	1459.47	1472.51	1484.33	1490.58	1499.49	1515.31	1520.96	1515.33	1484.81
42.5	1379.90	1386.48	1399.70	1413.82	1420.33	1430.58	1458.10	1448.48	1447.08	1416.68
45.0	1317.36	1318.86	1337.87	1353.52	1350.14	1362.47	1383.01	1386.54	1371.59	1352.83
47.5	1237.22	1248.15	1259.37	1273.51	1287.67	1289.47	1317.31	1316.38	1308.62	1287.47
50.0	1152.97	1168.10	1186.44	1194.67	1216.69	1219.41	1237.23	1245.97	1225.22	1204.12
52.5	1066.25	1092.64	1102.95	1125.19	1134.20	1145.07	1167.31	1167.84	1157.13	1130.88
55.0	975.45	1002.43	1032.66	1052.31	1068.32	1073.34	1088.23	1096.25	1084.85	1067.27
57.5	877.65	918.06	955.19	975.94	995.82	994.78	1009.41	1012.84	1009.30	995.74
60.0	786.50	833.88	872.03	895.24	911.11	929.38	940.03	938.47	925.12	908.52
62.5	693.92	751.20	795.06	826.02	842.33	842.63	858.58	871.28	853.50	835.84
65.0	603.61	666.30	714.66	750.88	763.73	773.01	784.46	788.99	783.75	763.20
67.5	517.64	583.90	631.42	665.23	688.56	701.54	707.57	713.87	696.48	686.05
70.0	439.88	497.84	553.01	587.62	607.82	622.57	629.32	632.97	620.49	610.18
72.5	360.61	424.41	477.01	510.22	528.11	540.60	543.27	547.67	542.06	533.43
75.0	296.61	354.44	403.34	434.85	449.49	458.98	462.19	474.12	466.15	453.31
77.5	237.87	290.51	333.21	366.67	374.80	378.34	382.63	385.72	385.88	373.92
80.0	190.41	227.19	269.05	296.12	303.52	305.59	308.03	311.81	307.84	306.14
82.5	145.41	177.29	212.05	234.94	237.80	243.95	245.18	244.67	243.47	239.23
85.0	106.38	134.92	162.09	178.16	188.91	189.61	190.40	193.81	192.67	188.54
87.5	77.55	103.74	124.52	139.06	146.59	143.02	147.24	146.49	147.13	146.07
90.0	56.70	75.54	92.04	104.83	111.21	111.68	111.04	108.40	111.42	110.09
92.5	40.78	55.60	69.08	78.53	83.41	84.10	83.92	84.78	82.84	83.73
95.0	28.62	41.89	52.69	59.76	62.16	64.09	64.00	65.02	63.71	65.38
97.5	22.16	30.94	38.75	46.27	49.94	50.44	49.41	50.17	49.49	49.76
100.0	16.05	23.00	29.50	34.34	37.67	41.39	40.77	41.29	39.35	40.10
102.5	11.99	17.20	22.40	27.82	29.97	32.90	32.63	33.20	33.21	33.31
105.0	8.85	13.36	17.27	21.35	24.20	26.77	27.54	26.66	28.55	26.00
107.5	6.26	10.58	12.87	16.18	19.29	21.32	21.91	22.53	22.10	22.12
110.0	6.21	8.10	9.81	13.16	15.00	18.31	18.66	18.31	20.06	16.59
112.5	4.75	5.64	7.80	10.07	12.85	14.54	14.99	16.63	15.66	14.16
115.0	4.23	4.35	6.24	8.21	9.67	11.61	12.35	12.75	11.74	11.01
117.5	3.48	2.80	3.80	5.53	7.99	8.82	9.44	10.65	9.21	9.21
120.0	2.78	2.24	2.75	3.88	5.45	7.14	7.79	7.52	7.82	6.66
122.5	2.44	1.88	1.83	2.67	3.85	4.91	5.05	6.28	5.66	4.64
125.0	1.73	1.40	0.99	1.78	2.64	3.51	4.05	4.19	4.11	3.73
127.5	1.54	1.11	0.74	0.70	1.48	2.25	2.86	2.79	2.57	2.52
130.0	0.97	0.54	0.57	0.31	0.59	1.11	1.99	1.81	1.68	1.29
132.5	0.61	0.51	0.21	0.13	0.18	0.57	0.75	1.11	0.64	0.56
135.0	0.45	0.32	0.05	0.03	0.03	0.06	0.23	0.60	0.18	0.09
137.5	0.28	0.17	0.02	0.02	0.02	0.00	0.02	0.02	0.00	0.00
140.0	0.14	0.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.10	0.02	0.00	0.00	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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

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. Horizontal Angles**  
**Angles**

	<b>300</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>
0.0	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52	2059.52
2.5	2010.41	2103.75	2075.24	2024.48	2036.61	2002.85	1996.92
5.0	2042.91	2017.43	2048.03	2047.00	2043.05	2040.35	1999.85
7.5	2022.46	2017.59	2012.47	2003.77	2015.02	2020.01	2017.80
10.0	1978.16	2004.70	1980.48	2001.75	1947.89	1970.72	2004.35
12.5	1942.58	1983.28	1975.76	1979.20	1960.81	1966.77	1968.15
15.0	1944.16	1932.75	1936.00	1932.11	1945.83	1935.00	1940.66
17.5	1916.40	1894.46	1923.45	1903.87	1883.25	1902.35	1892.91
20.0	1880.60	1874.56	1877.48	1843.18	1861.17	1869.62	1855.04
22.5	1837.27	1829.35	1821.68	1819.48	1817.11	1802.19	1809.92
25.0	1794.28	1778.92	1780.76	1786.64	1769.92	1772.97	1771.89
27.5	1747.65	1728.07	1743.75	1730.93	1724.17	1722.90	1715.39
30.0	1683.07	1689.97	1671.55	1689.64	1671.18	1659.88	1662.80
32.5	1648.02	1630.94	1629.31	1626.94	1619.24	1623.92	1619.54
35.0	1586.82	1578.42	1573.77	1565.31	1570.34	1562.06	1553.75
37.5	1543.37	1511.04	1511.90	1508.65	1503.19	1491.51	1495.79
40.0	1463.47	1464.24	1455.17	1432.46	1432.02	1430.71	1433.79
42.5	1402.12	1393.28	1372.53	1361.60	1352.00	1363.49	1349.11
45.0	1334.03	1329.27	1310.32	1293.90	1286.27	1283.85	1269.16
47.5	1269.22	1255.31	1229.43	1234.73	1208.57	1190.50	1188.46
50.0	1195.29	1187.04	1155.93	1138.19	1123.28	1102.87	1096.54
52.5	1121.91	1107.33	1089.55	1060.76	1032.79	1008.15	999.77
55.0	1060.57	1028.46	1014.31	972.30	944.66	918.35	900.55
57.5	979.90	962.99	926.50	885.84	850.76	811.19	796.83
60.0	900.71	880.90	850.77	808.31	757.75	707.73	708.13
62.5	825.50	802.28	774.91	716.42	654.86	618.08	600.43
65.0	752.54	730.55	691.79	636.83	575.78	518.42	499.84
67.5	672.67	648.37	616.84	552.51	488.60	431.72	410.48
70.0	599.77	570.62	539.42	472.36	406.39	351.38	332.58
72.5	529.08	500.54	461.44	399.67	333.54	279.99	255.78
75.0	446.60	423.73	385.71	332.33	272.89	218.01	199.93
77.5	366.25	352.08	319.19	269.08	211.05	165.46	148.11
80.0	294.02	286.52	260.47	213.01	165.76	125.64	107.73
82.5	234.29	225.49	205.09	165.49	126.13	92.32	74.71
85.0	185.84	175.71	153.98	124.41	94.17	65.45	52.69
87.5	143.23	135.35	119.31	94.43	68.08	47.75	36.37
90.0	107.18	101.26	90.89	70.21	50.88	31.30	21.35
92.5	83.48	77.52	67.88	53.15	35.56	21.42	13.98
95.0	62.80	59.32	52.24	37.63	26.76	14.29	10.28
97.5	47.42	45.16	37.32	28.53	17.10	9.07	7.85
100.0	38.81	35.08	27.72	19.62	12.69	6.81	6.01
102.5	29.96	26.01	20.49	15.26	9.16	5.05	5.37
105.0	23.68	19.83	14.63	11.36	5.96	3.99	4.22
107.5	18.84	15.04	12.09	8.00	4.66	3.58	3.51
110.0	14.35	11.67	8.76	5.57	3.57	3.22	2.70
112.5	12.60	8.99	6.28	3.67	2.48	2.51	2.30
115.0	9.47	6.64	4.26	2.64	2.37	2.41	2.02

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-277V-FL\_S.IES

CANDELA TABULATION - (Cont.)

117.5	7.06	4.73	2.47	1.52	1.87	1.66	1.77
120.0	5.42	3.86	1.94	0.97	1.76	1.37	1.53
122.5	3.53	2.27	0.73	0.98	1.23	1.36	1.41
125.0	2.37	1.47	0.58	0.61	1.01	1.09	1.11
127.5	1.60	0.57	0.29	0.58	0.50	0.75	0.69
130.0	0.74	0.25	0.16	0.40	0.45	0.50	0.63
132.5	0.21	0.03	0.07	0.18	0.23	0.41	0.46
135.0	0.00	0.05	0.00	0.04	0.33	0.25	0.24
137.5	0.00	0.01	0.05	0.05	0.13	0.18	0.19
140.0	0.00	0.02	0.02	0.00	0.02	0.04	0.07
142.5	0.00	0.00	0.00	0.00	0.02	0.03	0.02
145.0	0.00	0.00	0.00	0.00	0.00	0.02	0.02
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**  
**PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-277V-FL\_S.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	741.11	N.A.	12.70
0-30	1569.18	N.A.	26.90
0-40	2566.05	N.A.	44.00
0-60	4502.45	N.A.	77.10
0-80	5584.28	N.A.	95.70
0-90	5752.84	N.A.	98.60
10-90	5560.00	N.A.	95.30
20-40	1824.95	N.A.	31.30
20-50	2851.52	N.A.	48.90
40-70	2616.5	N.A.	44.80
60-80	1081.83	N.A.	18.50
70-80	401.72	N.A.	6.90
80-90	168.56	N.A.	2.90
90-110	74.27	N.A.	1.30
90-120	81.53	N.A.	1.40
90-130	83.61	N.A.	1.40
90-150	83.86	N.A.	1.40
90-180	83.86	N.A.	1.40
110-180	9.59	N.A.	0.20
0-180	5836.7	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	192.84
10-20	548.26
20-30	828.08
30-40	996.87
40-50	1026.57
50-60	909.83
60-70	680.11
70-80	401.72
80-90	168.56
90-100	55.03
100-110	19.24
110-120	7.26
120-130	2.08
130-140	0.25
140-150	0.01
150-160	0.00
160-170	0.00
170-180	0.00

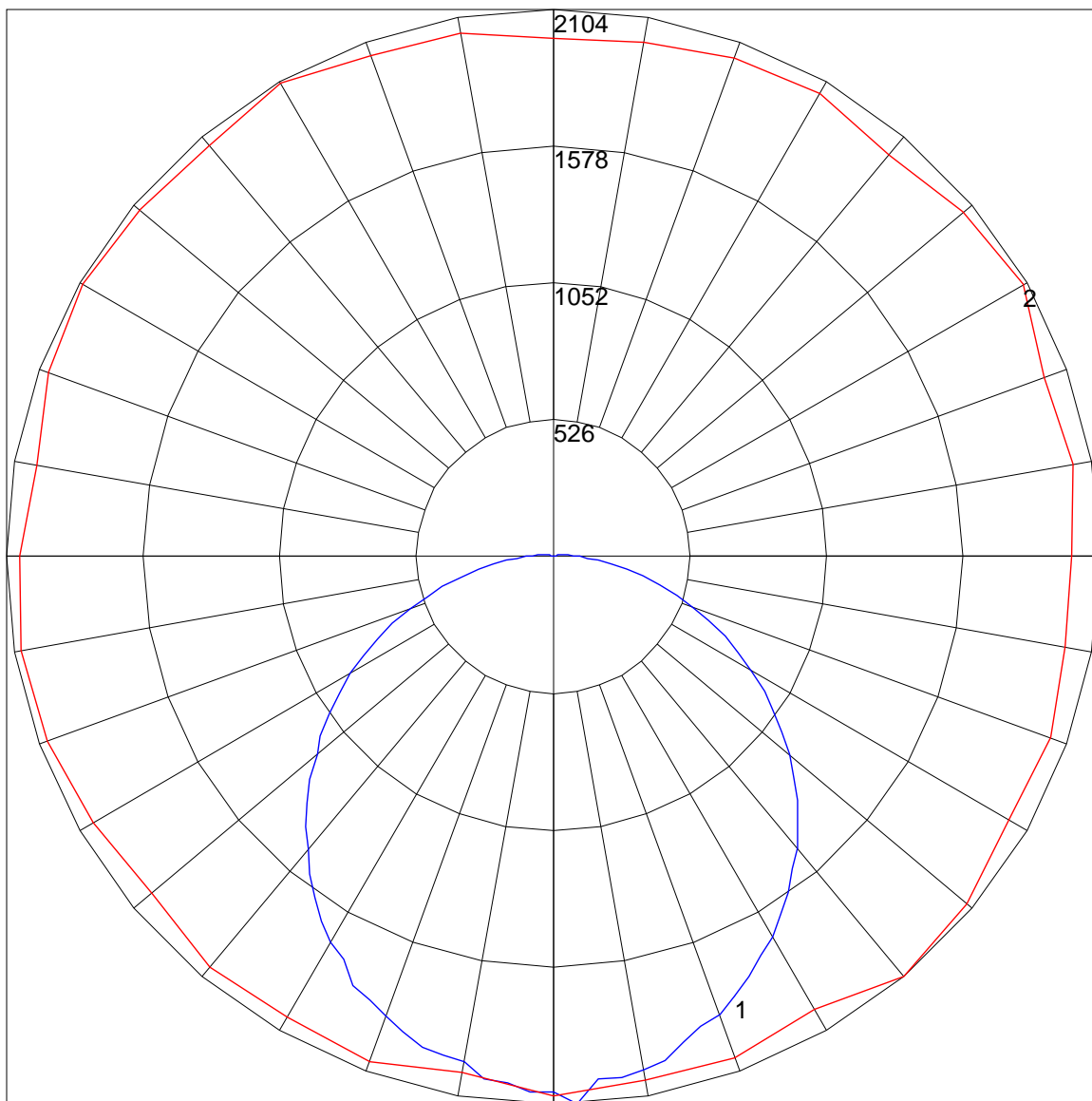
IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : BS100LED4HTLOWT50120V-277V-FL\_S.IES

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	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	89	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 = 2103.75 Located At Horizontal Angle = 310, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (310 - 130) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)