



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-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 12:15:25 2017

[MANUFAC] BEGHELLI

[LUMINAIRE] BS100LED2HTHOWT35120-277V-FL

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

[LAMPCAT] SPMWHT541MD-3900K

[OTHER] Indoor Photometric Report

[OTHER] Number of lamps: 90

[OTHER] Lumens per lamp: 70.5

[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: 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	5975
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	50
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)	2.28 ft
Luminous Width (90-270)	0.55 ft
Luminous Height	0.32 ft

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-FL\_S.IES**

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13813	10825	10801
55	11488	9088	9128
65	8496	7062	7305
75	5569	4768	4928
85	3399	2498	2566

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-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>	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36
<b>2.5</b>	2076.51	2089.50	2044.49	2097.30	2111.25	2053.44	2128.54	2078.88	2069.82	2060.31
<b>5.0</b>	2056.27	2047.72	2040.25	2088.10	2060.51	2053.67	2054.51	2048.25	2054.10	2050.40
<b>7.5</b>	2057.79	2037.79	2045.94	2038.48	2061.06	2060.53	2053.28	2073.61	2061.33	2071.77
<b>10.0</b>	2019.32	2030.91	2050.71	2016.16	2025.12	2011.05	2049.55	2034.54	2026.31	2014.30
<b>12.5</b>	1974.51	2014.37	1986.13	2012.16	2012.80	2016.91	2027.88	2000.51	2014.01	1987.80
<b>15.0</b>	1976.28	1959.95	1980.33	1986.00	1963.30	1994.93	1975.51	1961.05	1971.80	1990.36
<b>17.5</b>	1941.49	1939.91	1935.15	1931.77	1935.46	1927.12	1960.36	1939.77	1948.18	1955.76
<b>20.0</b>	1907.35	1880.01	1885.23	1917.71	1896.18	1914.80	1923.60	1916.97	1919.44	1906.39
<b>22.5</b>	1842.94	1875.26	1860.68	1847.42	1865.22	1864.87	1865.44	1867.38	1876.22	1895.00
<b>25.0</b>	1812.35	1807.92	1810.92	1806.90	1821.09	1817.66	1830.61	1837.59	1844.83	1842.75
<b>27.5</b>	1763.25	1768.53	1759.19	1763.83	1760.19	1790.00	1797.58	1802.11	1807.97	1809.38
<b>30.0</b>	1712.24	1708.87	1706.67	1718.01	1730.80	1724.66	1747.45	1751.08	1759.25	1772.59
<b>32.5</b>	1660.69	1662.76	1650.30	1647.58	1654.45	1673.31	1699.50	1697.48	1703.36	1722.26
<b>35.0</b>	1588.12	1588.80	1586.88	1599.87	1624.07	1623.24	1635.23	1650.29	1665.88	1663.51
<b>37.5</b>	1533.66	1523.38	1532.25	1534.60	1543.48	1559.22	1571.42	1586.48	1603.01	1610.64
<b>40.0</b>	1458.90	1468.79	1466.93	1460.45	1481.84	1496.43	1509.00	1529.16	1534.27	1559.74
<b>42.5</b>	1392.75	1391.12	1389.46	1394.45	1408.37	1426.66	1439.36	1457.82	1488.49	1485.50
<b>45.0</b>	1308.92	1303.94	1307.52	1328.81	1341.67	1362.92	1379.39	1382.75	1407.96	1411.12
<b>47.5</b>	1214.19	1225.65	1229.47	1242.13	1267.20	1284.60	1301.97	1314.47	1347.92	1339.73
<b>50.0</b>	1126.29	1128.79	1145.45	1171.55	1187.28	1218.97	1228.72	1245.53	1261.62	1270.61
<b>52.5</b>	1030.41	1041.85	1064.12	1095.01	1120.34	1140.28	1153.15	1170.39	1186.03	1193.33
<b>55.0</b>	929.06	944.86	975.37	1006.70	1038.54	1066.43	1084.88	1091.84	1100.46	1117.69
<b>57.5</b>	830.23	846.15	870.21	923.02	957.20	978.14	1002.38	1016.93	1032.37	1047.40
<b>60.0</b>	731.19	757.46	781.13	831.22	872.80	903.84	925.44	929.41	951.67	963.06
<b>62.5</b>	640.39	649.32	697.68	750.40	791.61	827.50	843.73	859.17	880.70	893.71
<b>65.0</b>	548.25	569.71	609.36	661.27	713.66	743.73	766.45	787.49	801.07	807.46
<b>67.5</b>	462.20	477.08	525.37	584.17	628.24	667.46	680.43	702.83	718.40	728.67
<b>70.0</b>	389.87	406.77	448.61	506.13	547.99	585.05	609.17	622.39	640.56	646.74
<b>72.5</b>	319.44	338.30	377.48	432.12	474.48	509.60	532.39	540.98	551.55	557.50
<b>75.0</b>	257.42	273.46	313.01	357.04	401.70	432.05	451.48	456.19	462.34	469.40
<b>77.5</b>	206.83	220.85	253.69	289.19	330.00	357.07	370.21	379.04	379.03	390.19
<b>80.0</b>	161.04	173.05	200.91	234.63	265.94	289.63	301.84	304.44	306.84	315.10
<b>82.5</b>	123.94	136.39	158.53	181.22	210.02	231.47	239.95	242.54	244.03	248.28
<b>85.0</b>	90.14	101.83	119.78	141.65	165.20	179.55	186.13	194.01	192.98	197.83
<b>87.5</b>	65.56	74.05	91.04	106.90	127.31	140.13	146.45	151.39	149.61	150.63
<b>90.0</b>	43.76	51.78	66.60	82.05	97.87	108.58	112.22	114.82	115.48	116.91
<b>92.5</b>	30.05	37.07	48.62	62.20	75.31	83.21	87.43	89.19	88.54	89.43
<b>95.0</b>	23.86	27.25	35.86	47.27	58.14	63.36	67.18	68.76	69.97	69.54
<b>97.5</b>	16.78	19.89	28.94	38.75	45.02	51.93	51.59	55.48	55.24	55.67
<b>100.0</b>	14.18	15.45	23.51	30.35	35.00	39.56	41.44	43.00	44.53	46.11
<b>102.5</b>	12.54	13.76	18.60	23.71	27.24	30.50	35.09	35.72	36.52	38.37
<b>105.0</b>	10.13	11.92	15.64	18.61	22.20	24.45	27.85	28.94	30.14	31.92
<b>107.5</b>	9.42	9.84	12.95	15.77	17.88	20.45	23.50	24.65	25.82	25.74
<b>110.0</b>	8.32	8.59	10.86	12.86	14.60	17.61	19.42	20.35	22.19	21.74
<b>112.5</b>	7.39	7.81	9.09	10.81	12.27	13.88	15.21	17.03	18.39	19.23
<b>115.0</b>	6.05	6.73	8.20	8.92	8.96	10.64	12.13	14.09	15.52	15.44
<b>117.5</b>	5.70	5.65	6.66	6.96	7.49	8.72	9.74	11.23	12.72	12.63
<b>120.0</b>	4.74	5.31	5.41	4.96	5.56	6.37	7.99	8.86	10.53	10.76
<b>122.5</b>	3.88	4.34	4.05	4.33	4.07	5.26	6.44	7.18	7.93	7.71
<b>125.0</b>	3.69	3.12	3.49	3.03	3.31	3.76	5.10	4.92	6.59	6.32
<b>127.5</b>	2.80	2.57	2.68	2.42	2.21	2.50	3.02	4.84	4.51	5.15
<b>130.0</b>	2.35	2.07	1.92	1.79	1.63	1.69	1.80	3.38	3.28	4.26
<b>132.5</b>	1.73	1.78	1.64	1.46	0.89	1.32	1.45	2.37	2.42	2.53

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

135.0	1.14	1.07	1.24	0.88	0.58	0.76	1.06	1.50	1.77	1.76
137.5	0.95	0.81	0.69	0.35	0.34	0.30	0.45	0.82	1.44	1.42
140.0	0.46	0.45	0.33	0.34	0.13	0.18	0.33	0.35	0.94	0.71
142.5	0.30	0.21	0.12	0.24	0.16	0.10	0.15	0.16	0.21	0.31
145.0	0.15	0.11	0.11	0.11	0.12	0.06	0.20	0.15	0.31	0.15
147.5	0.14	0.05	0.18	0.08	0.12	0.16	0.09	0.11	0.15	0.12
150.0	0.10	0.25	0.30	0.19	0.08	0.32	0.08	0.20	0.11	0.12
152.5	0.18	0.36	0.28	0.16	0.33	0.26	0.36	0.30	0.18	0.09
155.0	0.41	0.32	0.42	0.34	0.63	0.22	0.29	0.34	0.37	0.34
157.5	0.41	0.55	0.51	0.74	0.41	0.33	0.61	0.56	0.33	0.26
160.0	0.68	0.62	0.62	0.51	0.49	0.85	0.76	0.56	0.52	0.25
162.5	0.80	0.42	0.70	0.69	0.59	0.26	0.63	0.59	0.46	0.58
165.0	0.73	1.05	0.70	0.57	0.44	0.50	1.03	0.42	0.96	0.80
167.5	1.04	0.56	0.64	0.71	0.64	0.75	0.65	0.79	0.70	0.56
170.0	0.63	0.40	1.27	0.78	0.84	0.77	0.85	0.60	0.58	1.01
172.5	0.62	0.86	0.48	0.37	0.96	0.87	0.65	0.79	0.66	0.45
175.0	0.90	1.12	0.73	0.64	1.22	1.17	0.29	0.99	0.46	0.88
177.5	2.01	0.57	0.27	1.11	0.59	0.11	1.14	0.60	0.60	0.52
180.0	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

Vert. Angles	Horizontal Angles									
	100	110	120	130	140	150	160	170	180	190
0.0	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36
2.5	2066.15	2114.88	2074.47	2066.31	2110.60	2088.01	2052.21	2030.98	2086.74	2059.87
5.0	2074.42	2050.76	2044.83	2065.24	2071.79	2062.40	2067.15	2064.68	2084.23	2049.48
7.5	2052.62	2052.29	2074.03	2055.01	2044.54	2062.22	2043.43	2043.35	2053.87	2056.22
10.0	2026.76	2048.09	2035.81	2027.78	2030.80	2045.47	2042.05	2036.23	2023.04	2035.74
12.5	1998.75	2019.07	1992.08	2012.14	2021.35	1997.68	2024.63	1987.15	1998.94	2007.89
15.0	1976.27	1986.01	1971.58	1977.42	1963.14	1961.21	1981.53	1968.98	1965.50	1965.63
17.5	1956.32	1947.54	1957.47	1942.32	1931.07	1941.61	1940.10	1933.62	1920.36	1951.68
20.0	1915.27	1911.59	1913.14	1910.85	1923.24	1916.12	1877.37	1882.88	1899.48	1880.48
22.5	1886.17	1858.68	1862.92	1884.56	1859.43	1869.04	1853.83	1856.44	1856.97	1859.71
25.0	1854.51	1838.33	1835.58	1825.17	1824.99	1812.73	1809.62	1808.63	1823.86	1818.85
27.5	1809.57	1801.85	1789.21	1781.71	1765.40	1774.54	1777.99	1761.94	1764.94	1757.63
30.0	1765.36	1756.22	1730.79	1721.45	1721.57	1711.56	1719.71	1700.38	1700.39	1719.75
32.5	1707.02	1698.56	1689.41	1662.65	1665.48	1653.44	1657.09	1652.28	1651.17	1659.84
35.0	1663.56	1642.11	1629.47	1619.55	1608.98	1600.67	1587.28	1598.11	1593.58	1582.94
37.5	1604.63	1580.90	1567.86	1555.02	1543.91	1531.47	1529.25	1523.11	1526.57	1532.26
40.0	1541.55	1523.74	1508.27	1492.36	1477.28	1479.65	1462.34	1455.77	1466.85	1457.57
42.5	1493.49	1456.49	1444.20	1437.44	1413.68	1388.11	1381.15	1386.73	1379.27	1384.92
45.0	1408.84	1383.50	1379.86	1360.22	1336.21	1323.85	1319.04	1304.31	1300.49	1307.13
47.5	1332.39	1319.21	1300.72	1287.21	1267.06	1254.68	1234.23	1221.86	1223.48	1223.09
50.0	1265.38	1254.11	1238.93	1215.71	1191.10	1169.34	1146.11	1134.67	1121.41	1132.66
52.5	1189.43	1167.15	1164.86	1145.20	1117.37	1080.09	1067.71	1042.47	1033.28	1042.29
55.0	1112.75	1086.05	1083.81	1072.02	1041.96	1010.28	968.53	949.26	944.87	943.83
57.5	1034.50	1012.20	1003.60	987.12	956.25	922.65	880.67	848.57	842.18	851.77
60.0	955.56	939.18	923.84	902.88	878.21	837.81	783.20	755.31	736.36	751.89
62.5	877.68	858.10	846.68	830.66	787.95	750.29	687.17	658.65	642.01	662.37
65.0	797.99	782.15	771.15	743.06	711.56	660.39	612.61	575.89	559.18	569.02
67.5	723.31	703.80	682.94	663.88	631.84	586.20	529.90	487.44	473.12	487.05
70.0	632.79	618.52	607.26	588.70	552.40	503.74	453.18	408.43	397.55	407.05
72.5	554.87	536.18	528.32	510.92	478.45	431.23	382.55	342.41	322.44	338.69
75.0	465.70	455.43	444.36	436.74	404.27	357.87	313.87	276.25	267.01	276.43
77.5	384.03	377.63	371.94	354.52	333.10	294.63	255.89	225.23	208.30	224.76
80.0	309.33	304.44	298.24	290.62	264.75	236.44	205.14	174.93	163.26	175.36

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

82.5	244.01	240.48	238.32	228.65	210.24	182.30	159.30	135.19	125.77	136.62
85.0	191.56	195.02	186.86	178.22	163.24	141.75	121.99	103.84	92.26	102.73
87.5	148.65	149.01	146.87	138.66	124.71	106.52	90.50	73.48	66.35	75.62
90.0	116.20	116.35	112.43	107.64	96.13	81.17	66.99	54.49	44.74	53.84
92.5	88.38	89.33	86.80	82.14	73.08	60.51	48.94	37.70	30.02	38.11
95.0	69.96	69.61	66.18	64.68	56.33	46.94	38.05	27.05	22.00	27.54
97.5	54.06	54.01	52.56	50.00	44.07	36.75	28.75	20.15	18.04	19.89
100.0	44.36	43.96	41.87	39.30	35.20	28.97	22.76	15.66	14.25	16.27
102.5	36.12	35.41	34.26	30.74	27.75	22.17	18.66	13.20	12.10	13.89
105.0	30.43	30.19	28.69	25.76	22.07	19.92	15.02	11.38	10.54	11.98
107.5	25.08	24.91	22.64	20.44	17.75	15.42	13.20	9.67	8.71	10.32
110.0	21.84	21.90	18.43	17.11	14.96	12.78	10.68	9.44	8.17	9.00
112.5	18.52	16.97	15.76	13.56	12.26	11.46	9.59	8.15	7.29	7.89
115.0	15.06	14.10	12.29	10.01	9.48	8.78	7.25	6.63	6.40	6.96
117.5	12.84	11.77	10.67	8.61	7.65	7.56	6.38	6.23	6.09	6.82
120.0	10.08	9.60	7.64	6.36	5.08	5.14	5.36	5.21	5.48	5.17
122.5	7.83	7.34	6.26	5.05	4.11	4.17	3.96	4.04	4.21	4.57
125.0	5.99	5.52	5.01	3.79	3.04	3.35	3.62	3.27	3.85	3.25
127.5	4.35	4.27	3.33	2.53	2.16	2.78	2.64	2.78	2.74	2.87
130.0	3.46	3.33	2.27	2.12	1.27	1.53	1.98	1.91	2.42	2.36
132.5	2.66	2.13	1.31	1.52	1.05	1.21	1.58	1.69	1.88	1.53
135.0	1.55	1.42	1.01	0.54	0.60	0.64	1.19	1.38	1.50	1.33
137.5	1.52	0.95	0.58	0.25	0.22	0.51	0.65	0.88	1.00	1.14
140.0	0.78	0.36	0.28	0.20	0.21	0.33	0.44	0.53	0.62	0.58
142.5	0.39	0.23	0.11	0.06	0.16	0.15	0.28	0.45	0.35	0.33
145.0	0.26	0.10	0.11	0.18	0.08	0.22	0.14	0.12	0.16	0.12
147.5	0.12	0.07	0.06	0.13	0.21	0.16	0.11	0.15	0.13	0.15
150.0	0.06	0.02	0.16	0.26	0.23	0.31	0.20	0.12	0.24	0.20
152.5	0.28	0.17	0.26	0.13	0.34	0.33	0.31	0.29	0.08	0.35
155.0	0.10	0.25	0.24	0.37	0.43	0.49	0.24	0.39	0.45	0.56
157.5	0.58	0.43	0.46	0.47	0.51	0.53	0.41	0.32	0.55	0.46
160.0	0.27	0.40	0.45	0.52	0.62	0.67	0.48	0.60	0.44	0.47
162.5	0.48	0.55	0.40	0.57	0.55	0.78	0.83	0.47	0.63	0.63
165.0	0.78	0.79	0.25	0.36	0.34	0.59	0.48	0.49	0.93	0.80
167.5	0.52	0.65	0.42	0.99	0.75	0.63	0.93	0.61	0.79	0.45
170.0	0.60	0.77	0.48	0.69	0.52	0.84	0.45	0.63	0.58	0.53
172.5	0.75	1.35	0.44	0.38	0.66	0.56	0.92	0.46	0.26	0.21
175.0	0.46	0.87	0.92	0.69	0.58	0.74	0.81	0.54	0.31	0.44
177.5	1.49	0.52	1.07	0.82	0.04	1.14	0.32	0.80	0.62	0.79
180.0	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

**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	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36
2.5	2099.08	2081.45	2051.69	2089.60	2106.45	2054.95	2118.43	2093.82	2021.12	2027.67
5.0	2050.45	2061.62	2054.69	2084.91	2042.08	2052.97	2066.67	2069.80	2080.05	2069.10
7.5	2054.61	2051.08	2068.38	2062.73	2023.06	2069.85	2064.39	2062.12	2022.92	2038.80
10.0	2024.75	2020.15	2053.89	2055.29	2032.25	2011.01	2027.61	2040.16	2040.67	2031.31
12.5	2012.82	2017.76	2033.17	2010.86	2016.04	2025.19	1998.89	2002.62	1998.99	1993.45
15.0	1964.77	1967.95	1972.47	1966.57	1968.84	1979.63	1983.46	1974.63	1963.42	1991.92
17.5	1958.36	1953.44	1930.41	1937.66	1947.42	1943.39	1941.74	1943.06	1953.73	1949.89
20.0	1908.04	1898.32	1886.08	1911.32	1915.01	1901.52	1912.25	1932.78	1913.12	1921.64
22.5	1865.82	1861.60	1861.97	1856.10	1869.51	1886.90	1874.90	1884.43	1879.75	1881.79
25.0	1805.46	1809.30	1803.87	1831.99	1833.68	1850.04	1834.61	1860.93	1841.32	1842.16
27.5	1773.66	1765.99	1773.15	1777.19	1788.99	1796.94	1804.05	1804.00	1812.69	1798.54

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

30.0	1712.57	1708.24	1719.11	1729.04	1750.56	1756.53	1780.29	1773.83	1768.10	1760.30
32.5	1650.32	1659.32	1662.97	1690.76	1697.25	1699.83	1713.37	1722.83	1727.66	1704.01
35.0	1591.79	1600.00	1606.34	1622.08	1631.58	1641.17	1658.88	1669.62	1667.49	1644.57
37.5	1511.00	1546.31	1542.53	1550.50	1563.65	1598.35	1615.61	1611.71	1607.64	1596.45
40.0	1457.53	1471.30	1474.14	1496.57	1500.72	1531.89	1543.43	1549.54	1543.57	1515.28
42.5	1393.85	1404.49	1412.87	1429.61	1441.56	1454.85	1473.75	1474.72	1474.22	1457.24
45.0	1308.97	1322.49	1346.91	1358.68	1368.97	1391.79	1410.24	1412.71	1412.71	1389.55
47.5	1231.41	1243.43	1262.25	1285.29	1313.70	1310.46	1343.71	1352.06	1334.90	1322.65
50.0	1147.65	1170.66	1189.81	1226.08	1233.91	1241.07	1267.69	1277.06	1265.86	1240.68
52.5	1060.53	1093.12	1122.68	1144.12	1159.58	1159.78	1186.26	1203.90	1189.97	1160.98
55.0	970.78	1007.74	1041.60	1069.62	1080.22	1095.27	1111.60	1122.51	1108.53	1093.26
57.5	882.42	922.24	961.29	979.83	1000.82	1014.18	1029.92	1046.96	1037.24	1012.41
60.0	787.13	834.39	874.87	905.02	930.14	936.34	952.24	967.62	950.68	938.89
62.5	704.40	753.58	794.83	819.18	843.50	861.48	874.11	889.99	876.43	861.73
65.0	612.58	665.16	715.63	740.59	764.96	784.54	797.47	812.29	794.09	779.12
67.5	532.18	586.37	630.98	669.75	689.81	699.74	720.92	730.72	719.16	697.46
70.0	455.89	505.50	553.78	586.97	607.26	629.31	633.36	645.44	633.92	620.63
72.5	379.43	428.85	471.57	510.20	526.58	538.10	550.14	558.26	553.88	543.11
75.0	314.48	359.27	400.06	431.43	450.60	454.42	463.19	470.26	463.89	458.06
77.5	258.04	290.80	330.39	359.27	370.45	375.23	380.54	390.21	380.78	376.65
80.0	204.71	231.93	268.54	287.19	300.55	305.43	309.95	311.16	307.08	303.73
82.5	156.40	182.20	209.58	231.85	241.89	242.09	244.40	251.40	246.44	240.56
85.0	120.68	141.11	162.17	180.84	184.87	190.39	192.82	195.28	195.69	190.77
87.5	89.54	105.47	127.97	138.00	146.05	146.30	150.06	152.06	150.82	153.50
90.0	68.11	82.61	96.19	108.96	110.20	117.36	116.06	116.60	113.37	115.60
92.5	49.96	63.29	72.78	81.03	87.31	89.84	91.79	90.47	87.53	89.81
95.0	37.29	47.81	55.92	63.98	68.09	68.42	70.45	70.06	70.49	70.28
97.5	29.49	37.90	44.20	48.31	52.33	54.45	54.75	53.45	56.99	54.52
100.0	22.58	30.56	35.44	38.21	42.10	44.90	44.13	44.21	43.53	43.15
102.5	18.01	23.69	28.12	31.08	33.51	36.46	35.22	36.01	36.74	35.55
105.0	15.25	19.24	22.46	25.35	27.61	29.49	30.11	30.61	30.93	29.46
107.5	13.56	15.87	19.03	20.60	23.21	26.81	25.38	25.72	25.50	25.47
110.0	12.03	12.60	14.55	17.16	18.85	19.95	22.13	22.50	22.68	20.72
112.5	9.66	10.22	11.55	12.43	15.04	17.58	18.15	17.93	18.23	17.86
115.0	7.35	8.66	9.50	10.77	12.46	13.40	15.80	14.86	15.58	14.35
117.5	5.77	7.28	7.66	8.81	9.80	11.83	12.77	13.81	11.44	11.92
120.0	5.35	5.62	5.56	6.11	8.04	9.41	9.48	9.60	10.21	9.64
122.5	4.12	4.07	4.37	4.93	5.94	7.64	8.39	8.23	7.78	7.02
125.0	3.54	3.06	3.43	3.88	4.85	5.18	6.41	6.14	6.28	5.54
127.5	3.01	2.38	2.15	2.72	3.27	4.47	5.10	5.01	4.55	4.40
130.0	2.15	1.94	1.45	1.63	2.44	2.83	3.25	3.40	3.41	2.84
132.5	1.39	1.03	0.92	1.13	1.76	2.07	2.21	2.65	2.45	2.44
135.0	1.14	0.91	0.55	0.72	1.11	1.41	1.68	2.12	1.80	1.85
137.5	0.72	0.53	0.38	0.35	0.55	1.23	1.03	1.34	0.89	1.07
140.0	0.51	0.27	0.22	0.11	0.26	0.36	0.63	0.86	0.79	0.33
142.5	0.19	0.18	0.14	0.19	0.20	0.27	0.32	0.40	0.32	0.21
145.0	0.18	0.09	0.15	0.14	0.13	0.19	0.23	0.22	0.26	0.16
147.5	0.12	0.20	0.16	0.30	0.04	0.19	0.16	0.13	0.16	0.15
150.0	0.15	0.23	0.34	0.18	0.29	0.11	0.05	0.12	0.03	0.08
152.5	0.12	0.37	0.27	0.33	0.35	0.26	0.08	0.13	0.10	0.23
155.0	0.45	0.36	0.42	0.36	0.38	0.32	0.17	0.28	0.31	0.34
157.5	0.33	0.51	0.65	0.46	0.35	0.51	0.46	0.39	0.36	0.51
160.0	0.34	0.66	0.49	0.62	0.18	0.54	0.43	0.70	0.60	0.68
162.5	0.56	0.50	0.59	0.54	0.72	0.75	0.69	0.64	0.57	0.39
165.0	0.91	0.55	0.83	0.75	0.53	0.72	0.64	0.73	0.82	0.77
167.5	0.72	0.58	0.63	0.59	0.78	0.56	0.54	0.58	0.44	0.63

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	0.69	0.66	0.93	0.76	0.26	0.59	0.36	0.79	0.89	0.82
<b>172.5</b>	0.84	0.30	0.78	1.03	0.46	0.94	0.53	1.11	0.66	0.59
<b>175.0</b>	0.73	0.73	0.44	1.41	0.49	0.74	0.80	0.59	1.17	0.99
<b>177.5</b>	0.79	0.91	1.16	0.60	0.62	0.91	0.84	1.07	0.42	0.86
<b>180.0</b>	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41

**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>	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36	2077.36
<b>2.5</b>	2051.26	2059.57	2037.91	2053.84	2075.13	2088.41	2076.51
<b>5.0</b>	2056.23	2091.46	2067.28	2086.46	2076.86	2019.04	2056.27
<b>7.5</b>	2054.80	2038.60	2047.45	2061.25	2035.07	2059.09	2057.89
<b>10.0</b>	2019.74	2023.40	2016.50	2020.67	2029.73	2030.52	2019.33
<b>12.5</b>	2013.11	2013.18	2002.82	1993.21	2013.10	2017.66	1974.51
<b>15.0</b>	1976.75	1986.91	1970.86	1970.05	1959.16	1994.00	1976.28
<b>17.5</b>	1953.64	1953.28	1941.31	1938.73	1934.46	1937.52	1941.49
<b>20.0</b>	1894.65	1922.68	1918.48	1907.22	1897.96	1893.98	1907.35
<b>22.5</b>	1874.98	1867.54	1866.13	1859.95	1847.98	1857.02	1842.94
<b>25.0</b>	1832.97	1812.25	1813.63	1799.67	1809.01	1808.11	1812.38
<b>27.5</b>	1795.20	1783.24	1771.11	1763.39	1773.70	1756.49	1763.25
<b>30.0</b>	1735.08	1735.42	1722.58	1710.01	1704.72	1699.32	1712.24
<b>32.5</b>	1694.21	1680.39	1665.05	1655.56	1651.31	1653.41	1660.69
<b>35.0</b>	1639.61	1614.66	1612.73	1601.12	1593.20	1592.73	1588.12
<b>37.5</b>	1568.45	1547.14	1547.87	1529.17	1529.11	1518.26	1533.66
<b>40.0</b>	1507.99	1486.35	1483.62	1469.91	1464.53	1461.18	1458.90
<b>42.5</b>	1435.41	1427.74	1413.95	1401.97	1390.26	1380.39	1392.75
<b>45.0</b>	1370.55	1363.91	1351.84	1342.30	1301.77	1316.15	1308.92
<b>47.5</b>	1315.40	1288.66	1267.70	1254.95	1232.69	1217.83	1214.19
<b>50.0</b>	1232.25	1218.93	1203.92	1171.04	1149.79	1139.06	1126.29
<b>52.5</b>	1155.40	1140.78	1115.23	1086.00	1057.83	1037.21	1030.41
<b>55.0</b>	1077.65	1069.79	1038.71	1001.42	967.89	945.66	929.07
<b>57.5</b>	1006.09	987.93	970.23	918.11	875.81	841.97	830.23
<b>60.0</b>	925.59	903.42	882.23	833.45	784.17	752.96	731.20
<b>62.5</b>	849.69	823.99	800.84	750.34	697.95	661.05	640.42
<b>65.0</b>	768.22	749.23	713.49	668.32	610.10	565.90	548.25
<b>67.5</b>	691.45	660.33	632.37	578.58	527.78	482.78	462.20
<b>70.0</b>	614.12	586.50	555.16	502.93	453.65	407.49	389.88
<b>72.5</b>	528.04	511.26	477.42	430.27	374.97	335.73	319.45
<b>75.0</b>	448.50	437.76	405.50	357.96	313.86	271.99	257.44
<b>77.5</b>	373.08	360.23	332.49	291.45	253.21	220.04	206.85
<b>80.0</b>	298.26	286.64	265.02	237.65	201.05	171.48	161.04
<b>82.5</b>	241.42	230.63	209.72	182.70	157.07	133.82	123.94
<b>85.0</b>	189.13	180.79	162.90	141.07	118.92	100.98	90.14
<b>87.5</b>	148.73	140.56	127.96	108.12	90.27	74.54	65.56
<b>90.0</b>	113.93	108.83	94.53	81.57	64.89	52.30	43.76
<b>92.5</b>	88.69	83.40	73.72	60.48	49.61	38.39	30.06
<b>95.0</b>	67.90	63.34	56.92	46.65	37.84	27.96	23.86
<b>97.5</b>	54.42	50.98	44.88	37.18	28.92	19.46	16.78
<b>100.0</b>	42.12	39.92	33.76	29.46	22.85	16.75	14.19
<b>102.5</b>	34.84	32.10	27.93	23.10	19.15	13.89	12.55
<b>105.0</b>	28.44	25.24	23.38	18.63	15.10	11.59	10.13
<b>107.5</b>	23.16	20.26	18.40	15.65	13.29	9.37	9.42
<b>110.0</b>	19.25	16.31	15.22	13.41	10.82	9.21	8.33
<b>112.5</b>	14.94	12.96	11.87	10.68	9.44	8.46	7.40
<b>115.0</b>	12.39	11.02	8.98	8.83	7.93	6.75	6.05

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-FL\_S.IES**

**CANDELA TABULATION - (Cont.)**

117.5	9.91	8.27	7.23	6.47	6.37	6.02	5.70
120.0	7.46	7.03	5.67	5.34	5.11	4.72	4.74
122.5	6.09	5.16	4.30	4.32	4.31	4.10	3.88
125.0	4.43	3.67	2.88	3.05	3.40	3.66	3.69
127.5	3.23	2.10	2.17	2.38	2.58	3.07	2.80
130.0	1.91	1.92	1.30	1.41	1.79	2.21	2.35
132.5	1.77	1.07	0.90	1.15	1.87	1.85	1.73
135.0	1.00	0.62	0.62	0.81	1.16	1.30	1.14
137.5	0.67	0.27	0.37	0.45	0.61	0.84	0.95
140.0	0.31	0.17	0.13	0.12	0.35	0.33	0.46
142.5	0.19	0.13	0.08	0.15	0.18	0.15	0.30
145.0	0.12	0.08	0.07	0.03	0.03	0.11	0.15
147.5	0.14	0.17	0.27	0.22	0.16	0.22	0.14
150.0	0.18	0.35	0.20	0.34	0.28	0.20	0.10
152.5	0.41	0.48	0.31	0.45	0.24	0.25	0.18
155.0	0.56	0.49	0.40	0.56	0.29	0.48	0.41
157.5	0.49	0.64	0.50	0.58	0.32	0.39	0.41
160.0	0.32	0.31	0.45	0.81	0.77	0.61	0.68
162.5	0.51	0.39	0.72	0.86	1.08	0.66	0.80
165.0	0.66	0.54	0.48	0.40	0.52	0.59	0.73
167.5	0.43	0.57	0.69	0.43	0.89	0.70	1.04
170.0	0.76	0.85	0.92	0.60	0.47	0.77	0.63
172.5	0.47	0.46	0.48	0.60	0.68	0.58	0.62
175.0	0.74	0.95	1.13	0.55	0.86	0.67	0.90
177.5	0.87	0.82	0.30	0.29	1.76	0.54	2.01
180.0	0.41	0.41	0.41	0.41	0.41	0.41	0.41



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-FL\_S.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	753.61	N.A.	12.60
0-30	1595.07	N.A.	26.70
0-40	2608.09	N.A.	43.70
0-60	4578.46	N.A.	76.60
0-80	5691.95	N.A.	95.30
0-90	5871.17	N.A.	98.30
10-90	5675.12	N.A.	95.00
20-40	1854.48	N.A.	31.00
20-50	2897.7	N.A.	48.50
40-70	2667.58	N.A.	44.60
60-80	1113.5	N.A.	18.60
70-80	416.29	N.A.	7.00
80-90	179.21	N.A.	3.00
90-110	87.33	N.A.	1.50
90-120	98.26	N.A.	1.60
90-130	102.24	N.A.	1.70
90-150	103.35	N.A.	1.70
90-180	103.75	N.A.	1.70
110-180	16.43	N.A.	0.30
0-180	5974.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	196.04
10-20	557.56
20-30	841.46
30-40	1013.02
40-50	1043.22
50-60	927.15
60-70	697.21
70-80	416.29
80-90	179.21
90-100	62.60
100-110	24.73
110-120	10.93
120-130	3.98
130-140	0.98
140-150	0.13
150-160	0.16
160-170	0.18
170-180	0.07

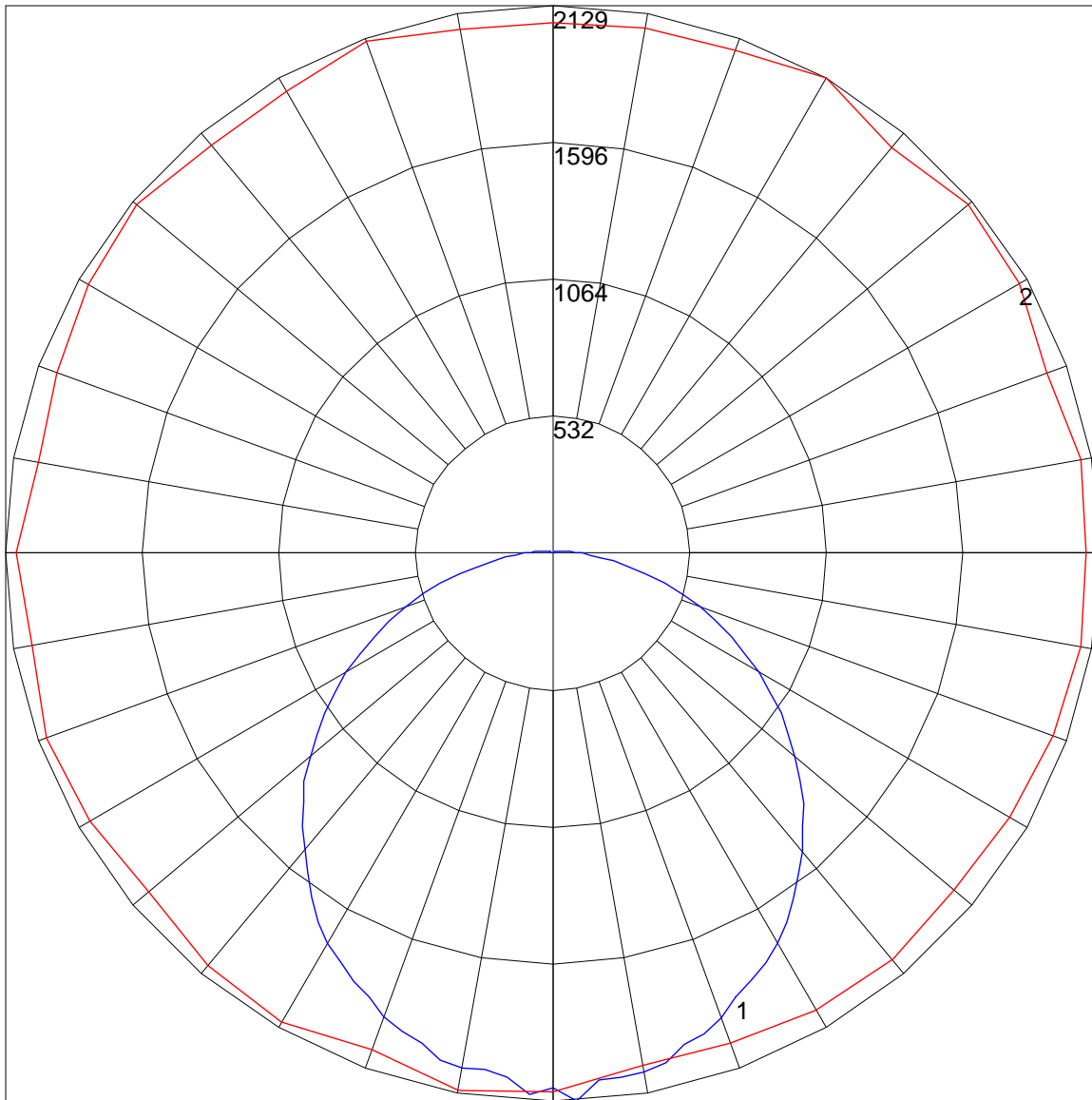
IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V-FL\_S.IES

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	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 = 2128.54 Located At Horizontal Angle = 60, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)