



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED2HTMOWT40120-277V-FL_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 30 13:27:53 2017

[MANUFAC] BEGHELLI

[LUMINAIRE] BS100LED2HTMOWT40120-277V-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: 58.1

[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	4921
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.26
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 : BS100LED2HTMOWT40120-277V-FL_S.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11366	8871	8896
55	9505	7459	7563
65	7017	5820	6050
75	4562	3910	4097
85	2818	2050	2101

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED2HTMOWT40120-277V-FL_S.IES

CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0.0	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39
2.5	1752.22	1710.13	1700.13	1691.85	1693.22	1719.95	1684.99	1694.31	1718.32	1702.60
5.0	1701.36	1700.78	1692.67	1722.06	1709.70	1695.00	1704.22	1714.43	1683.60	1685.23
7.5	1689.30	1685.02	1686.59	1684.73	1709.99	1682.50	1681.41	1692.27	1691.86	1692.40
10.0	1675.28	1680.94	1688.87	1673.49	1679.51	1671.22	1677.30	1681.19	1671.65	1670.74
12.5	1642.95	1654.24	1635.14	1643.30	1644.00	1665.35	1651.69	1652.91	1650.27	1662.73
15.0	1619.90	1632.56	1624.85	1626.00	1627.22	1620.92	1624.48	1641.03	1631.57	1632.42
17.5	1604.95	1598.21	1597.51	1604.20	1606.54	1604.71	1608.55	1600.37	1592.12	1618.06
20.0	1545.98	1570.25	1559.51	1567.80	1573.68	1575.92	1572.00	1570.57	1584.28	1577.16
22.5	1526.23	1517.87	1524.11	1531.73	1526.51	1555.42	1544.91	1546.78	1547.49	1550.75
25.0	1495.22	1481.57	1486.62	1499.57	1495.87	1505.88	1508.01	1526.85	1528.79	1522.99
27.5	1443.14	1449.94	1451.33	1445.65	1453.28	1468.19	1483.66	1471.02	1485.47	1486.30
30.0	1411.53	1402.26	1405.72	1405.15	1415.64	1423.16	1438.34	1444.61	1451.49	1459.05
32.5	1359.73	1360.11	1357.88	1371.24	1371.75	1376.29	1387.15	1398.64	1417.04	1407.33
35.0	1312.77	1308.07	1314.22	1314.55	1315.62	1327.98	1346.55	1346.82	1372.27	1373.09
37.5	1255.67	1258.31	1261.38	1256.08	1272.99	1278.60	1292.37	1295.32	1328.53	1326.22
40.0	1201.09	1201.72	1206.55	1216.67	1224.12	1224.62	1240.53	1252.02	1276.18	1272.16
42.5	1131.95	1146.91	1147.80	1154.19	1166.09	1169.78	1181.22	1209.10	1220.64	1218.05
45.0	1077.05	1071.25	1082.06	1093.53	1100.69	1115.69	1135.47	1140.39	1161.51	1162.22
47.5	1001.93	1007.30	1017.62	1029.53	1047.07	1060.67	1065.57	1085.90	1102.45	1112.66
50.0	924.48	934.23	936.34	957.30	986.78	999.03	1018.89	1021.09	1045.66	1048.15
52.5	845.48	849.54	873.59	900.82	918.47	942.07	954.60	962.81	975.32	983.82
55.0	768.69	768.25	803.08	827.44	854.28	873.31	892.42	897.72	906.18	926.08
57.5	687.10	693.55	723.19	761.03	789.00	811.42	828.14	832.05	852.52	865.29
60.0	609.93	617.35	651.15	688.93	722.48	742.86	761.24	767.47	780.37	795.85
62.5	526.73	543.90	571.50	616.01	655.03	683.03	696.74	705.35	722.01	731.19
65.0	452.83	470.18	504.26	548.68	592.12	608.98	631.29	638.74	660.42	668.71
67.5	381.82	398.54	439.09	479.86	521.41	543.41	565.60	583.64	594.51	605.08
70.0	320.73	333.06	370.04	414.04	451.15	484.41	508.81	515.00	523.15	533.90
72.5	265.01	274.52	311.78	349.62	391.54	416.34	435.37	446.22	450.28	457.62
75.0	210.89	225.21	255.59	293.86	330.89	352.76	369.31	374.18	381.18	390.26
77.5	167.05	182.07	209.36	241.03	272.78	297.03	305.43	309.06	316.25	320.73
80.0	131.09	142.17	165.62	194.68	219.36	239.37	248.77	251.28	256.16	259.77
82.5	100.04	110.18	130.41	148.78	173.11	189.91	196.81	201.92	205.51	206.47
85.0	74.73	84.00	98.21	116.03	133.65	149.33	153.77	157.89	159.45	161.95
87.5	55.02	61.60	73.74	88.02	104.75	115.51	121.85	124.01	123.90	125.46
90.0	36.69	43.69	54.74	68.87	80.08	89.40	94.06	97.24	96.62	97.01
92.5	24.44	30.90	41.29	51.39	62.60	69.78	70.73	75.31	72.27	73.20
95.0	18.01	21.79	30.56	39.42	45.97	52.68	54.99	57.39	57.22	56.76
97.5	14.62	16.98	23.32	30.64	36.41	40.44	44.48	44.91	44.63	46.00
100.0	12.19	13.14	19.00	24.05	28.55	32.22	35.96	35.98	36.50	36.15
102.5	9.16	10.41	15.31	19.24	23.24	26.09	28.65	29.81	30.36	30.52
105.0	8.32	9.72	12.31	15.55	18.89	21.69	22.98	24.23	26.22	25.57
107.5	7.18	8.38	10.85	12.76	15.13	16.89	19.93	20.79	21.35	21.52
110.0	6.66	6.99	8.35	10.68	12.34	13.52	15.86	17.70	18.20	17.88
112.5	6.10	6.68	7.65	8.79	9.21	10.83	13.09	14.75	14.54	15.87
115.0	5.61	5.66	6.21	7.39	7.63	8.41	10.73	11.94	12.47	12.92
117.5	4.12	4.74	5.62	5.65	6.14	6.99	8.63	10.10	9.99	10.79
120.0	4.21	4.41	4.27	4.25	4.89	5.59	6.78	7.75	8.41	8.52
122.5	3.46	3.92	3.79	3.30	3.44	3.81	4.97	6.58	6.65	6.76
125.0	2.90	2.75	2.81	2.55	2.54	3.27	4.44	4.60	4.96	5.55
127.5	1.98	2.35	2.41	1.69	1.56	2.03	3.01	3.51	3.77	3.94
130.0	1.67	1.79	1.62	1.42	1.27	1.39	1.80	2.45	3.23	2.97
132.5	1.36	1.22	1.27	0.94	0.75	0.84	1.26	1.79	2.05	2.35

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED2HTMOWT40120-277V-FL_S.IES

CANDELA TABULATION - (Cont.)

135.0	1.30	0.90	0.73	0.55	0.48	0.41	0.95	1.47	1.47	1.55
137.5	0.62	0.67	0.54	0.44	0.24	0.33	0.43	0.72	0.99	1.18
140.0	0.26	0.44	0.34	0.11	0.11	0.15	0.21	0.52	0.49	0.73
142.5	0.18	0.21	0.11	0.13	0.05	0.09	0.15	0.29	0.35	0.43
145.0	0.06	0.11	0.08	0.09	0.13	0.05	0.07	0.17	0.13	0.13
147.5	0.08	0.04	0.16	0.05	0.20	0.18	0.10	0.12	0.13	0.07
150.0	0.14	0.14	0.21	0.22	0.29	0.16	0.19	0.10	0.14	0.13
152.5	0.25	0.32	0.32	0.18	0.22	0.31	0.20	0.19	0.10	0.12
155.0	0.30	0.34	0.34	0.29	0.35	0.20	0.12	0.37	0.21	0.23
157.5	0.42	0.41	0.40	0.45	0.27	0.44	0.24	0.21	0.29	0.14
160.0	0.37	0.44	0.62	0.45	0.34	0.42	0.44	0.48	0.39	0.43
162.5	0.51	0.36	0.52	0.59	0.47	0.40	0.58	0.63	0.43	0.46
165.0	0.65	0.50	0.42	0.52	0.66	0.55	0.65	0.61	0.64	0.48
167.5	0.56	0.68	0.63	0.55	0.66	0.62	0.30	0.87	0.48	0.25
170.0	0.45	0.67	0.35	0.57	0.65	0.50	0.51	0.48	0.63	0.60
172.5	0.62	0.69	0.86	0.56	0.81	0.29	0.31	0.33	0.47	0.38
175.0	0.44	0.73	0.95	0.45	0.49	1.08	0.94	0.47	0.61	0.90
177.5	1.23	0.46	1.07	0.48	0.77	0.23	0.02	0.74	0.24	0.46
180.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56

Vert. Angles	Horizontal Angles									
	100	110	120	130	140	150	160	170	180	190
0.0	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39
2.5	1714.62	1760.56	1698.37	1688.10	1724.28	1756.22	1727.03	1724.63	1710.24	1727.10
5.0	1713.15	1705.93	1699.46	1691.52	1716.91	1690.95	1705.98	1721.31	1684.90	1670.35
7.5	1703.27	1684.08	1691.25	1694.83	1707.70	1696.46	1672.84	1685.90	1671.69	1693.76
10.0	1672.02	1663.03	1674.95	1690.61	1683.17	1675.79	1679.44	1665.92	1683.56	1678.55
12.5	1642.61	1644.74	1657.34	1649.32	1640.49	1659.39	1652.11	1650.78	1648.65	1637.45
15.0	1638.91	1627.91	1614.07	1622.00	1635.28	1633.83	1606.97	1637.40	1629.15	1625.28
17.5	1607.04	1606.13	1599.46	1604.87	1592.18	1603.02	1598.62	1591.43	1587.32	1584.94
20.0	1578.15	1581.04	1571.19	1565.68	1571.76	1565.60	1567.12	1558.80	1563.05	1557.63
22.5	1557.76	1555.01	1544.84	1525.54	1532.00	1517.47	1530.00	1529.27	1522.86	1516.62
25.0	1517.88	1514.57	1513.88	1511.74	1496.21	1499.08	1498.24	1504.86	1489.10	1494.18
27.5	1486.63	1481.84	1474.75	1459.22	1461.89	1454.41	1452.03	1442.89	1447.75	1452.11
30.0	1458.84	1436.67	1432.51	1424.39	1420.74	1412.19	1402.83	1401.81	1404.48	1409.87
32.5	1410.58	1402.68	1388.44	1380.68	1360.02	1363.45	1360.44	1359.70	1368.67	1358.49
35.0	1367.11	1349.68	1340.78	1330.06	1324.57	1321.03	1308.90	1314.73	1316.68	1312.80
37.5	1317.67	1305.07	1287.66	1288.58	1280.08	1261.24	1255.86	1265.26	1257.76	1260.11
40.0	1259.43	1254.60	1238.24	1231.47	1221.99	1205.78	1195.95	1199.03	1206.40	1200.89
42.5	1224.92	1203.77	1187.64	1183.29	1164.70	1153.92	1145.79	1139.74	1139.21	1138.45
45.0	1163.68	1140.56	1139.24	1115.80	1106.56	1098.76	1087.47	1079.17	1075.42	1076.14
47.5	1106.38	1086.63	1070.55	1063.64	1039.90	1033.84	1012.37	1006.36	1003.72	1008.92
50.0	1044.68	1027.46	1014.71	1004.38	982.95	967.29	940.11	931.80	931.39	934.87
52.5	976.73	961.61	956.85	938.89	918.69	903.28	876.13	858.45	846.99	851.99
55.0	912.72	899.35	894.11	876.44	850.38	825.58	802.04	775.09	767.47	778.58
57.5	846.78	839.18	824.20	816.47	786.96	755.80	726.40	696.81	692.52	703.64
60.0	791.72	772.34	761.24	749.79	724.63	687.08	650.30	618.06	611.97	618.44
62.5	718.12	709.22	701.99	676.10	655.32	618.21	576.48	545.15	532.55	543.33
65.0	656.58	642.85	631.04	613.21	588.59	550.64	503.36	467.83	455.98	467.43
67.5	591.24	577.55	567.98	549.24	519.89	481.02	438.95	402.16	390.35	399.46
70.0	521.22	514.42	504.16	482.02	451.01	417.82	371.76	338.21	327.62	337.14
72.5	451.24	444.38	432.54	418.93	392.41	352.36	314.31	281.70	268.87	280.88
75.0	384.22	377.71	368.99	353.47	327.80	297.86	263.66	228.30	217.04	228.75
77.5	314.01	307.92	304.81	293.89	273.59	244.33	214.82	185.83	171.45	188.12
80.0	255.66	250.00	245.30	237.53	217.82	193.60	166.29	146.52	133.19	146.52

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED2HTMOWT40120-277V-FL_S.IES

CANDELA TABULATION - (Cont.)

82.5	203.76	199.87	199.62	188.89	170.90	149.56	130.35	111.89	101.79	111.83
85.0	160.78	158.54	155.68	147.49	132.41	115.08	98.57	83.73	75.37	84.92
87.5	123.18	123.75	120.92	114.35	102.42	88.36	75.88	62.77	55.85	61.03
90.0	96.35	94.85	92.72	87.74	78.67	67.39	54.18	44.06	36.05	44.30
92.5	74.30	74.07	70.74	67.35	60.72	51.20	40.29	31.92	25.53	31.32
95.0	57.15	56.70	56.08	52.03	46.19	39.45	31.07	23.04	17.85	22.60
97.5	44.29	44.22	43.42	41.61	36.56	30.11	23.35	16.61	14.45	17.11
100.0	35.22	35.68	34.57	33.16	28.29	23.36	19.01	13.86	12.19	13.83
102.5	29.84	30.49	28.40	26.43	22.20	18.85	15.32	10.96	9.99	11.47
105.0	25.70	25.38	23.39	20.67	17.97	15.86	12.08	9.33	8.82	8.93
107.5	21.30	20.54	19.35	16.93	14.73	12.01	11.20	8.33	7.65	8.51
110.0	18.55	17.74	15.57	13.56	12.50	10.38	9.05	8.15	6.88	8.06
112.5	14.52	14.29	12.29	11.13	9.32	8.80	8.09	6.86	6.01	6.18
115.0	12.11	11.55	10.58	8.49	7.81	7.74	6.56	5.74	5.38	5.48
117.5	10.17	10.36	8.41	6.90	6.45	5.72	5.20	4.87	4.88	4.76
120.0	8.14	7.75	6.44	5.08	4.38	4.75	4.99	4.31	3.79	4.21
122.5	6.53	6.30	4.94	3.63	3.77	3.68	3.86	3.63	3.50	3.78
125.0	5.01	4.78	3.76	2.84	2.82	2.64	3.07	2.96	3.04	3.20
127.5	4.08	3.35	3.16	2.14	2.11	2.08	2.22	2.46	2.47	2.29
130.0	2.71	2.54	2.15	1.43	0.95	1.54	1.69	1.88	1.97	1.77
132.5	2.34	1.74	1.34	0.94	0.84	0.85	1.22	1.39	1.53	1.32
135.0	1.66	1.15	0.92	0.40	0.38	0.79	0.80	1.07	1.37	1.02
137.5	1.06	1.02	0.53	0.29	0.15	0.43	0.54	0.64	0.60	0.87
140.0	0.57	0.42	0.20	0.09	0.18	0.26	0.50	0.62	0.68	0.55
142.5	0.29	0.16	0.27	0.11	0.12	0.09	0.14	0.34	0.34	0.26
145.0	0.17	0.12	0.04	0.06	0.11	0.12	0.10	0.13	0.11	0.07
147.5	0.18	0.07	0.06	0.08	0.04	0.21	0.04	0.09	0.09	0.06
150.0	0.02	0.05	0.08	0.29	0.11	0.24	0.14	0.13	0.10	0.15
152.5	0.08	0.11	0.26	0.18	0.25	0.13	0.31	0.12	0.30	0.18
155.0	0.37	0.33	0.24	0.39	0.28	0.30	0.26	0.16	0.31	0.24
157.5	0.27	0.34	0.32	0.30	0.43	0.41	0.39	0.35	0.42	0.32
160.0	0.28	0.51	0.34	0.25	0.33	0.37	0.58	0.71	0.51	0.48
162.5	0.40	0.25	0.53	0.46	0.32	0.37	0.32	0.36	0.55	0.37
165.0	0.77	0.55	0.56	0.40	0.52	0.41	0.56	0.64	0.45	0.56
167.5	0.64	0.39	0.61	1.04	0.50	0.62	0.68	0.51	0.39	0.62
170.0	0.51	0.59	0.61	0.65	0.53	0.49	0.35	0.59	0.48	0.52
172.5	0.41	0.67	0.78	0.48	0.65	0.52	0.39	0.76	0.33	0.79
175.0	0.26	1.33	0.34	0.35	0.36	1.05	0.26	0.95	0.12	0.79
177.5	0.49	0.69	0.45	0.75	0.00	0.58	0.24	0.71	0.23	0.24
180.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56

**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	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39
2.5	1672.09	1708.94	1683.07	1709.23	1702.66	1715.56	1705.41	1714.30	1734.02	1725.14
5.0	1708.06	1705.77	1713.71	1705.61	1692.63	1716.04	1695.40	1698.99	1702.95	1695.96
7.5	1696.39	1704.27	1679.74	1678.07	1679.39	1692.04	1693.09	1682.79	1674.50	1700.43
10.0	1652.26	1672.30	1679.48	1678.11	1663.00	1688.33	1678.98	1673.47	1678.19	1682.24
12.5	1641.28	1647.53	1663.87	1644.57	1635.54	1651.90	1669.36	1655.70	1653.17	1652.93
15.0	1632.79	1647.30	1622.47	1621.49	1637.29	1640.68	1627.48	1626.25	1639.07	1627.97
17.5	1586.61	1585.62	1609.04	1591.82	1594.78	1599.51	1604.49	1615.00	1594.73	1586.90
20.0	1563.53	1570.22	1561.29	1574.22	1573.53	1577.07	1575.77	1575.37	1581.62	1585.12
22.5	1516.99	1520.78	1527.30	1538.55	1552.56	1564.62	1541.77	1537.09	1547.40	1537.98
25.0	1494.51	1489.71	1483.89	1503.57	1504.53	1520.12	1512.57	1522.73	1516.03	1515.19
27.5	1453.68	1456.64	1451.01	1459.99	1476.00	1476.71	1492.07	1495.67	1492.51	1488.49

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED2HTMOWT40120-277V-FL_S.IES

CANDELA TABULATION - (Cont.)

30.0	1397.52	1411.19	1417.96	1423.28	1441.76	1453.74	1452.76	1457.63	1457.99	1449.77
32.5	1359.94	1358.02	1368.08	1381.52	1398.65	1390.85	1418.41	1411.05	1411.88	1396.97
35.0	1311.14	1318.90	1327.26	1339.24	1352.96	1349.11	1369.12	1367.56	1372.69	1351.69
37.5	1264.01	1257.48	1267.35	1285.69	1291.73	1312.74	1322.83	1328.99	1321.20	1306.88
40.0	1212.95	1217.36	1213.95	1219.45	1238.86	1252.35	1275.89	1283.54	1279.73	1256.65
42.5	1140.50	1162.09	1174.06	1179.72	1182.26	1207.19	1225.50	1210.43	1225.60	1202.06
45.0	1082.85	1086.28	1100.02	1120.85	1127.68	1145.19	1159.71	1163.86	1158.61	1138.91
47.5	1012.03	1032.81	1046.01	1058.28	1068.62	1088.35	1111.90	1112.72	1098.15	1084.93
50.0	940.37	967.77	987.41	1002.16	1016.29	1025.50	1036.60	1047.07	1045.41	1025.32
52.5	878.03	897.05	922.00	941.51	954.33	962.57	973.99	982.97	968.42	964.72
55.0	797.75	832.01	856.46	878.63	893.97	901.93	917.83	922.39	911.85	897.01
57.5	726.11	764.84	792.58	814.55	830.22	835.07	849.46	854.70	844.53	828.11
60.0	651.83	689.97	720.68	748.24	761.36	771.26	786.44	794.08	781.56	765.83
62.5	578.24	615.55	656.46	678.10	701.52	708.50	722.68	731.69	719.47	710.41
65.0	507.69	548.94	584.54	609.41	629.85	642.38	663.77	665.16	661.92	640.17
67.5	433.66	479.94	519.59	548.17	565.64	582.16	595.54	598.35	590.26	577.54
70.0	373.00	413.21	454.48	481.93	500.78	517.80	525.90	534.75	523.57	513.56
72.5	314.34	354.76	393.06	422.38	438.09	448.29	454.85	460.08	452.69	449.54
75.0	259.28	295.69	332.94	356.94	366.42	376.31	383.56	390.28	383.03	379.97
77.5	210.71	241.83	274.36	290.26	304.76	311.55	313.75	318.49	316.38	312.03
80.0	168.42	195.82	218.69	240.46	248.94	251.56	254.65	256.05	255.83	251.77
82.5	129.21	152.12	172.70	187.36	195.02	199.72	200.24	206.91	203.80	200.82
85.0	99.30	115.84	136.15	146.10	155.90	156.78	159.49	162.75	160.27	157.59
87.5	75.82	88.87	102.64	113.78	122.06	124.30	126.10	126.29	123.53	124.53
90.0	54.14	66.86	79.16	88.08	94.03	93.96	95.10	97.35	94.57	96.49
92.5	40.24	49.89	61.36	67.55	71.98	71.85	73.94	73.19	74.43	72.92
95.0	30.80	38.97	46.59	53.20	55.36	57.30	56.11	57.04	57.39	58.20
97.5	24.08	30.42	36.10	40.44	42.97	45.02	44.70	44.50	45.36	44.79
100.0	18.64	23.84	28.31	32.53	34.97	35.50	35.73	36.29	36.74	37.61
102.5	15.08	19.06	23.07	25.64	27.79	29.41	30.18	31.26	29.69	29.70
105.0	12.29	15.59	19.60	20.98	22.98	24.54	25.01	26.11	25.44	24.17
107.5	10.53	12.75	14.77	16.50	19.30	20.82	20.50	21.62	21.53	20.35
110.0	9.05	10.42	12.25	14.04	15.29	17.39	19.02	18.18	17.93	17.41
112.5	7.70	8.58	9.67	10.61	12.94	14.13	15.61	15.82	15.24	13.85
115.0	6.28	6.66	8.11	8.85	10.11	11.58	12.09	12.75	12.91	11.71
117.5	5.15	5.37	5.96	6.75	8.26	9.05	10.16	10.12	9.86	9.74
120.0	4.40	4.47	4.58	5.69	6.51	7.91	8.11	8.66	8.57	7.88
122.5	3.55	3.37	3.62	4.72	4.79	6.10	6.40	6.76	6.71	6.09
125.0	2.88	2.62	2.65	3.12	4.15	4.14	5.24	5.28	5.13	4.48
127.5	1.91	2.04	1.84	1.90	2.77	3.79	4.05	4.03	3.96	3.74
130.0	1.89	1.72	1.09	1.24	2.12	2.40	2.68	2.72	2.80	2.74
132.5	1.27	1.12	0.61	1.02	1.52	1.74	2.14	2.14	1.78	1.83
135.0	0.76	0.71	0.46	0.43	0.91	1.44	1.56	1.46	1.39	1.47
137.5	0.61	0.47	0.22	0.22	0.47	0.84	0.98	1.33	1.11	0.61
140.0	0.33	0.18	0.19	0.19	0.25	0.34	0.66	0.61	0.51	0.42
142.5	0.23	0.12	0.11	0.13	0.18	0.15	0.30	0.34	0.33	0.12
145.0	0.18	0.18	0.11	0.03	0.13	0.22	0.19	0.19	0.14	0.10
147.5	0.10	0.10	0.10	0.15	0.12	0.02	0.16	0.12	0.09	0.08
150.0	0.17	0.17	0.23	0.20	0.11	0.07	0.06	0.14	0.10	0.15
152.5	0.24	0.16	0.33	0.08	0.20	0.16	0.08	0.19	0.12	0.19
155.0	0.36	0.42	0.59	0.42	0.31	0.22	0.35	0.24	0.16	0.16
157.5	0.40	0.32	0.29	0.48	0.50	0.39	0.28	0.33	0.32	0.40
160.0	0.36	0.53	0.48	0.49	0.28	0.56	0.34	0.24	0.41	0.47
162.5	0.58	0.39	0.75	0.51	0.56	0.21	0.35	0.32	0.50	0.40
165.0	0.55	0.55	0.53	0.47	0.56	0.35	0.41	0.50	0.74	0.37
167.5	0.36	0.61	0.20	0.70	0.72	0.48	0.63	0.89	0.65	0.45

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED2HTMOWT40120-277V-FL_S.IES

CANDELA TABULATION - (Cont.)

170.0	0.64	0.79	0.50	0.67	0.13	0.57	0.31	0.75	0.42	0.23
172.5	0.78	0.74	0.41	0.54	0.57	0.31	0.62	0.76	1.20	0.73
175.0	0.36	0.22	0.24	0.46	0.74	0.24	1.29	0.70	1.08	0.34
177.5	0.48	1.19	0.71	0.48	0.71	0.76	0.25	0.39	0.45	0.50
180.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56

Vert. Horizontal Angles

Angles	300	310	320	330	340	350	360
0.0	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39	1718.39
2.5	1689.10	1689.51	1687.16	1718.22	1711.61	1668.01	1752.22
5.0	1682.60	1709.67	1692.11	1684.76	1685.47	1682.70	1701.49
7.5	1716.68	1710.95	1688.60	1687.31	1695.95	1704.23	1689.30
10.0	1672.60	1676.85	1671.31	1656.93	1688.80	1679.52	1675.28
12.5	1643.45	1645.41	1658.50	1662.91	1663.94	1645.86	1642.95
15.0	1628.82	1638.38	1616.96	1619.79	1610.51	1612.37	1619.90
17.5	1596.45	1602.53	1604.76	1602.56	1595.50	1588.59	1604.95
20.0	1560.98	1568.74	1581.23	1568.25	1562.29	1556.01	1546.02
22.5	1533.17	1535.22	1538.59	1522.20	1536.74	1531.34	1526.23
25.0	1506.04	1495.46	1498.58	1496.34	1493.02	1484.59	1495.22
27.5	1476.13	1468.52	1455.00	1448.28	1444.98	1460.07	1443.14
30.0	1436.95	1434.34	1419.81	1408.97	1395.99	1403.62	1411.54
32.5	1389.99	1378.83	1367.53	1365.17	1359.65	1360.43	1359.75
35.0	1338.60	1332.43	1311.30	1322.02	1313.45	1313.66	1312.77
37.5	1295.63	1289.64	1282.19	1263.86	1257.06	1266.77	1255.69
40.0	1243.38	1231.81	1225.56	1206.85	1196.49	1208.97	1201.09
42.5	1193.35	1172.70	1167.17	1153.13	1140.09	1136.75	1131.95
45.0	1134.28	1117.54	1103.99	1100.81	1082.38	1080.07	1077.05
47.5	1073.28	1065.15	1048.68	1037.87	1016.57	1004.94	1001.93
50.0	1018.30	1000.89	989.40	962.50	943.83	931.13	924.48
52.5	954.62	940.71	912.56	898.26	878.36	859.19	845.49
55.0	893.81	878.33	854.35	823.23	801.07	775.82	768.69
57.5	827.49	813.53	786.53	759.60	719.80	699.14	687.12
60.0	760.90	742.11	726.03	684.23	645.32	616.00	609.93
62.5	692.85	685.07	655.40	623.79	572.58	537.13	526.73
65.0	626.78	617.31	586.93	547.52	503.78	468.43	452.84
67.5	570.06	552.38	518.99	477.76	434.68	401.58	381.82
70.0	503.98	481.95	455.24	413.69	366.95	334.36	320.74
72.5	434.80	416.69	388.98	354.86	312.13	274.37	265.01
75.0	371.54	357.08	332.59	296.94	255.42	222.83	210.89
77.5	302.98	294.17	273.35	241.43	210.86	182.14	167.05
80.0	248.81	235.06	222.00	191.98	164.25	142.65	131.09
82.5	197.79	190.08	174.36	150.90	130.70	110.63	100.04
85.0	153.28	146.95	135.47	116.82	99.14	83.44	74.73
87.5	121.85	115.08	104.40	88.17	73.78	63.45	55.03
90.0	92.35	88.76	80.03	65.35	56.02	43.28	36.69
92.5	72.22	67.58	60.43	50.81	40.77	30.25	24.45
95.0	55.82	54.30	47.13	38.90	31.47	22.80	18.01
97.5	44.13	40.80	36.56	30.81	24.16	16.46	14.62
100.0	36.04	32.59	28.75	24.65	18.54	13.59	12.19
102.5	28.50	26.06	23.39	19.99	14.73	10.77	9.16
105.0	22.68	21.45	18.45	15.37	12.86	9.45	8.33
107.5	19.11	16.99	15.77	13.22	10.34	8.29	7.18
110.0	15.33	13.72	12.58	10.78	9.12	7.91	6.66
112.5	12.54	11.23	9.61	8.74	8.00	6.48	6.10
115.0	10.02	8.76	7.78	7.13	6.63	6.03	5.61

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED2HTMOWT40120-277V-FL_S.IES

CANDELA TABULATION - (Cont.)

117.5	9.18	7.31	5.75	5.60	5.25	4.72	4.12
120.0	6.43	5.36	4.77	4.44	4.43	3.89	4.22
122.5	4.94	3.72	3.63	3.31	3.25	3.61	3.46
125.0	3.77	2.89	2.84	2.31	2.71	2.70	2.90
127.5	2.81	1.79	1.51	1.83	2.21	2.20	1.98
130.0	1.83	1.61	1.15	1.56	1.56	1.63	1.67
132.5	1.42	0.97	0.84	0.91	1.21	1.16	1.36
135.0	0.89	0.57	0.50	0.65	0.93	1.00	1.30
137.5	0.43	0.20	0.26	0.45	0.60	0.67	0.62
140.0	0.18	0.15	0.12	0.17	0.36	0.48	0.26
142.5	0.13	0.08	0.05	0.10	0.14	0.16	0.18
145.0	0.04	0.12	0.04	0.05	0.13	0.07	0.06
147.5	0.06	0.16	0.12	0.24	0.14	0.11	0.08
150.0	0.15	0.30	0.21	0.21	0.14	0.11	0.14
152.5	0.34	0.13	0.16	0.23	0.16	0.20	0.25
155.0	0.34	0.31	0.27	0.34	0.45	0.31	0.30
157.5	0.49	0.41	0.40	0.50	0.49	0.59	0.42
160.0	0.26	0.57	0.36	0.53	0.37	0.53	0.37
162.5	0.52	0.44	0.40	0.36	0.63	0.69	0.51
165.0	0.56	0.67	0.64	0.58	0.76	0.55	0.65
167.5	0.83	0.39	0.45	0.76	0.49	0.55	0.56
170.0	0.47	0.43	0.61	0.94	0.64	0.55	0.45
172.5	0.55	0.83	0.47	0.59	0.14	0.31	0.62
175.0	0.60	0.26	0.49	0.65	0.70	0.60	0.44
177.5	0.46	0.44	0.71	0.49	0.44	0.76	1.23
180.0	0.56	0.56	0.56	0.56	0.56	0.56	0.56

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LED2HTMOWT40120-277V-FL_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	620.76	N.A.	12.60
0-30	1313.37	N.A.	26.70
0-40	2147.35	N.A.	43.60
0-60	3770.09	N.A.	76.60
0-80	4687.52	N.A.	95.30
0-90	4835.33	N.A.	98.30
10-90	4673.72	N.A.	95.00
20-40	1526.6	N.A.	31.00
20-50	2386.1	N.A.	48.50
40-70	2197.28	N.A.	44.70
60-80	917.43	N.A.	18.60
70-80	342.89	N.A.	7.00
80-90	147.81	N.A.	3.00
90-110	71.94	N.A.	1.50
90-120	80.96	N.A.	1.60
90-130	84.27	N.A.	1.70
90-150	85.18	N.A.	1.70
90-180	85.50	N.A.	1.70
110-180	13.56	N.A.	0.30
0-180	4920.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.61
10-20	459.15
20-30	692.62
30-40	833.98
40-50	859.50
50-60	763.24
60-70	574.54
70-80	342.89
80-90	147.81
90-100	51.52
100-110	20.42
110-120	9.02
120-130	3.31
130-140	0.80
140-150	0.11
150-160	0.13
160-170	0.14
170-180	0.05

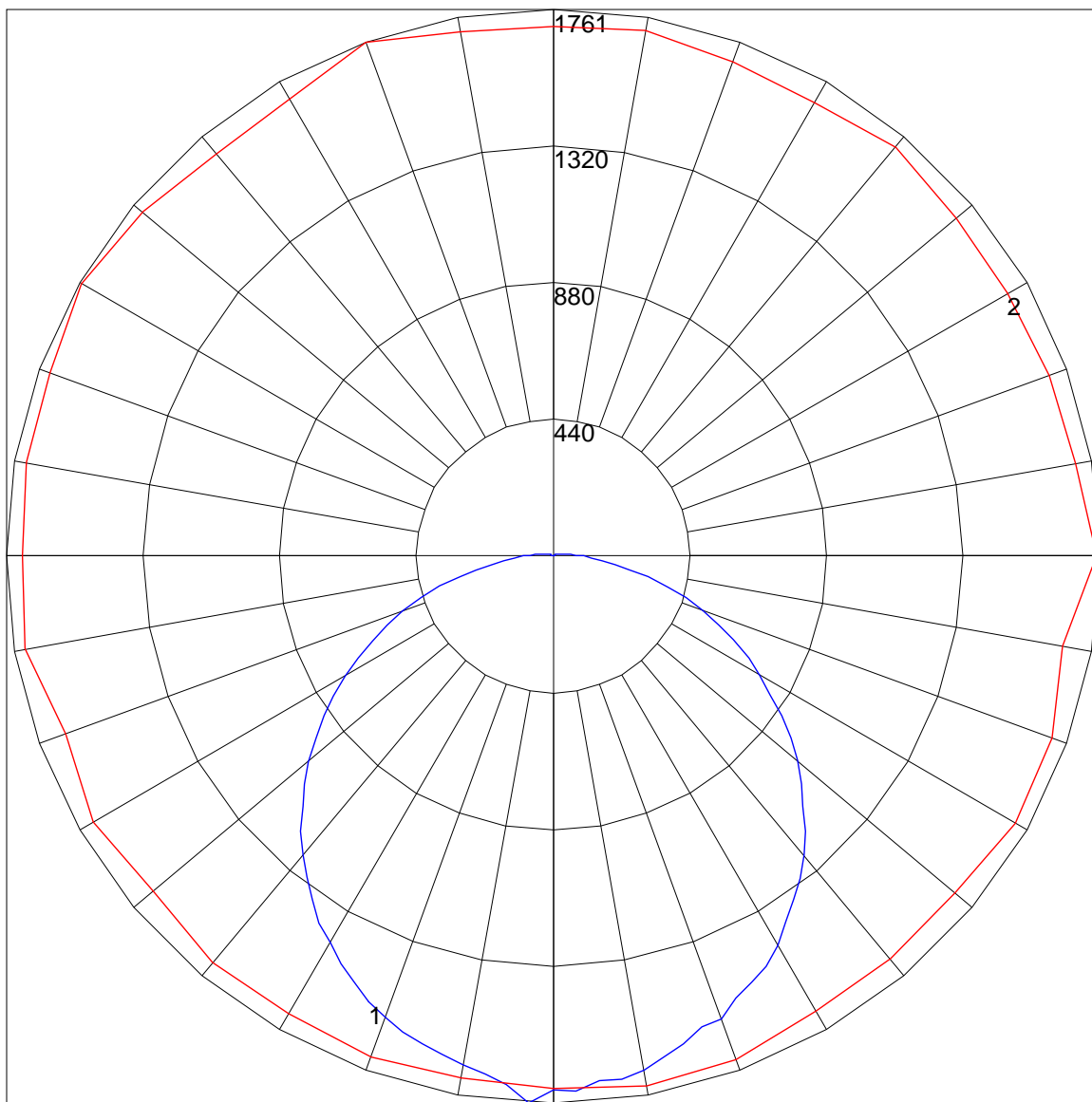
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : BS100LED2HTMOWT40120-277V-FL_S.IES

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 = 1760.56 Located At Horizontal Angle = 110, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (110 - 290) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)