



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LEDPLUS2HTLOWT35120-277V-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 08:58:21 2017
 [MANUFAC] BEGHELLI
 [LUMINAIRE] BS100LEDPLUS2HTLOWT35120-277V-FL
 [LAMP] LED 0.428W White 3030 package (150mA)
 [LAMPCAT] SPMWHT328FD5WAV0S0
 [OTHER] Indoor Photometric Report
 [OTHER] LUMINAIRE PROPERTIES
 [OTHER] Number of lamps: 96
 [OTHER] Lumens per lamp: 61.0
 [OTHER] Input watts: 50
 [OTHER] Distribution: Direct
 [OTHER] Symmetry: Quadrilateral
 [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	5518
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
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)	2.28 ft
Luminous Width (90-270)	0.55 ft
Luminous Height	0.32 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BS100LEDPLUS2HTLOWT35120-277V-FL_S.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12710	9987	10006
55	10598	8376	8438
65	7854	6478	6725
75	5124	4347	4530
85	3136	2259	2299

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LEDPLUS2HTLOWT35120-277V-FL_S.IES

CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>
0.0	1948.23	1948.23	1948.23	1948.23	1948.23	1948.23	1948.23
2.5	1936.84	1937.11	1937.61	1927.54	1933.52	1939.17	1911.55
5.0	1929.48	1918.02	1909.88	1920.17	1916.71	1916.92	1915.51
7.5	1895.05	1912.86	1909.75	1907.57	1908.94	1910.15	1919.40
10.0	1879.08	1886.81	1881.16	1889.66	1888.46	1884.07	1890.11
12.5	1866.26	1858.70	1862.41	1866.93	1866.53	1873.12	1881.84
15.0	1834.48	1824.42	1839.61	1839.56	1842.93	1845.07	1839.38
17.5	1811.90	1801.92	1806.15	1810.41	1809.80	1814.22	1805.35
20.0	1768.81	1764.85	1771.04	1773.47	1766.96	1778.99	1775.09
22.5	1720.69	1722.80	1726.44	1733.48	1736.81	1749.19	1749.60
25.0	1680.28	1691.78	1688.34	1689.70	1710.62	1715.77	1717.47
27.5	1638.72	1635.84	1639.51	1645.09	1661.74	1671.74	1681.83
30.0	1585.00	1585.88	1586.50	1601.71	1619.20	1627.89	1642.43
32.5	1536.06	1533.18	1538.80	1548.58	1568.32	1585.69	1597.91
35.0	1480.55	1482.50	1482.42	1500.99	1514.05	1537.37	1547.68
37.5	1422.80	1415.84	1424.91	1435.80	1458.89	1482.93	1492.60
40.0	1351.01	1354.09	1363.58	1375.91	1395.86	1428.20	1436.89
42.5	1280.24	1281.50	1293.75	1314.79	1335.57	1362.69	1382.21
45.0	1204.37	1209.36	1227.67	1247.52	1273.37	1296.09	1307.33
47.5	1124.05	1136.50	1153.36	1185.12	1207.46	1229.80	1255.71
50.0	1044.45	1050.92	1079.06	1115.10	1137.29	1160.03	1181.39
52.5	951.88	967.22	1003.00	1045.42	1066.82	1082.99	1107.38
55.0	857.09	881.65	927.42	969.99	996.58	1013.61	1033.29
57.5	767.74	790.31	848.71	896.22	922.86	942.10	960.24
60.0	674.73	705.81	767.02	820.83	849.12	869.31	893.44
62.5	589.92	617.90	687.12	743.57	775.67	798.79	819.80
65.0	506.81	536.00	606.92	668.42	703.89	725.46	743.29
67.5	426.13	459.27	531.67	593.94	630.17	652.12	668.81
70.0	356.61	388.28	458.12	519.36	555.85	576.65	589.73
72.5	293.74	322.63	387.62	448.98	480.99	499.89	512.90
75.0	236.86	265.42	323.18	380.00	409.22	421.42	431.52
77.5	190.00	214.27	264.36	314.48	338.80	346.40	352.39
80.0	146.87	168.86	211.69	252.74	272.12	278.69	287.06
82.5	110.76	131.20	165.55	199.20	218.31	223.43	226.13
85.0	83.16	99.76	125.82	155.90	171.19	176.75	177.22
87.5	61.51	74.69	96.29	121.24	133.90	136.46	138.63
90.0	40.91	54.43	73.72	92.84	103.79	106.45	106.45
92.5	28.62	39.66	56.39	70.92	79.40	81.02	81.18
95.0	20.84	29.31	43.39	54.61	61.52	63.37	63.16
97.5	16.19	22.44	33.78	43.26	48.31	49.61	50.22
100.0	12.92	18.00	27.35	34.10	38.03	40.97	40.80
102.5	11.39	14.63	21.85	27.11	31.67	33.41	33.83
105.0	9.81	12.53	17.91	22.18	25.63	28.27	28.49
107.5	8.66	10.64	14.81	17.61	21.17	23.59	24.51
110.0	7.59	9.28	11.83	14.09	17.43	19.59	20.67
112.5	6.83	7.76	10.02	11.47	14.43	16.49	16.84
115.0	6.05	6.70	7.90	9.41	11.50	13.78	14.45
117.5	5.28	5.65	6.32	7.33	9.41	11.07	11.64
120.0	4.54	4.98	4.85	5.51	7.29	9.05	9.50
122.5	4.13	3.97	3.73	4.09	5.60	6.79	7.46
125.0	3.23	3.26	2.96	3.03	4.49	5.39	5.66
127.5	2.41	2.52	2.17	2.04	3.21	4.39	4.72
130.0	2.00	1.84	1.57	1.53	2.16	3.13	3.46
132.5	1.50	1.39	1.11	0.82	1.59	2.09	2.57

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LEDPLUS2HTLOWT35120-277V-FL_S.IES

CANDELA TABULATION - (Cont.)

135.0	1.21	1.07	0.68	0.55	0.98	1.64	1.85
137.5	0.82	0.64	0.48	0.26	0.56	0.95	1.18
140.0	0.45	0.45	0.22	0.15	0.32	0.57	0.76
142.5	0.23	0.23	0.12	0.11	0.14	0.28	0.42
145.0	0.14	0.12	0.12	0.11	0.10	0.18	0.20
147.5	0.10	0.11	0.14	0.16	0.12	0.13	0.15
150.0	0.17	0.18	0.22	0.21	0.22	0.06	0.07
152.5	0.20	0.32	0.28	0.33	0.27	0.21	0.16
155.0	0.21	0.34	0.33	0.35	0.40	0.27	0.28
157.5	0.40	0.44	0.43	0.39	0.38	0.37	0.37
160.0	0.31	0.50	0.55	0.44	0.51	0.42	0.34
162.5	0.62	0.50	0.49	0.53	0.43	0.44	0.58
165.0	0.67	0.51	0.58	0.57	0.64	0.54	0.56
167.5	0.75	0.63	0.62	0.52	0.75	0.65	0.50
170.0	0.70	0.64	0.71	0.67	0.68	0.68	0.58
172.5	0.75	0.48	0.63	0.69	0.58	0.57	0.64
175.0	0.73	0.56	0.44	0.89	0.83	0.51	0.60
177.5	0.65	0.39	0.90	0.55	0.67	0.57	0.87
180.0	0.36	0.36	0.36	0.36	0.36	0.36	0.36

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS100LEDPLUS2HTLOWT35120-277V-FL_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	701.00	N.A.	12.70
0-30	1482.64	N.A.	26.90
0-40	2422.82	N.A.	43.90
0-60	4242.57	N.A.	76.90
0-80	5260.01	N.A.	95.30
0-90	5422.63	N.A.	98.30
10-90	5240.26	N.A.	95.00
20-40	1721.82	N.A.	31.20
20-50	2687.46	N.A.	48.70
40-70	2458.57	N.A.	44.60
60-80	1017.44	N.A.	18.40
70-80	378.62	N.A.	6.90
80-90	162.62	N.A.	2.90
90-110	79.85	N.A.	1.40
90-120	89.92	N.A.	1.60
90-130	93.60	N.A.	1.70
90-150	94.60	N.A.	1.70
90-180	94.97	N.A.	1.70
110-180	15.12	N.A.	0.30
0-180	5517.59	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	182.36
10-20	518.64
20-30	781.64
30-40	940.18
40-50	965.64
50-60	854.11
60-70	638.82
70-80	378.62
80-90	162.62
90-100	56.99
100-110	22.86
110-120	10.07
120-130	3.67
130-140	0.89
140-150	0.12
150-160	0.15
160-170	0.16
170-180	0.06

IES INDOOR REPORT

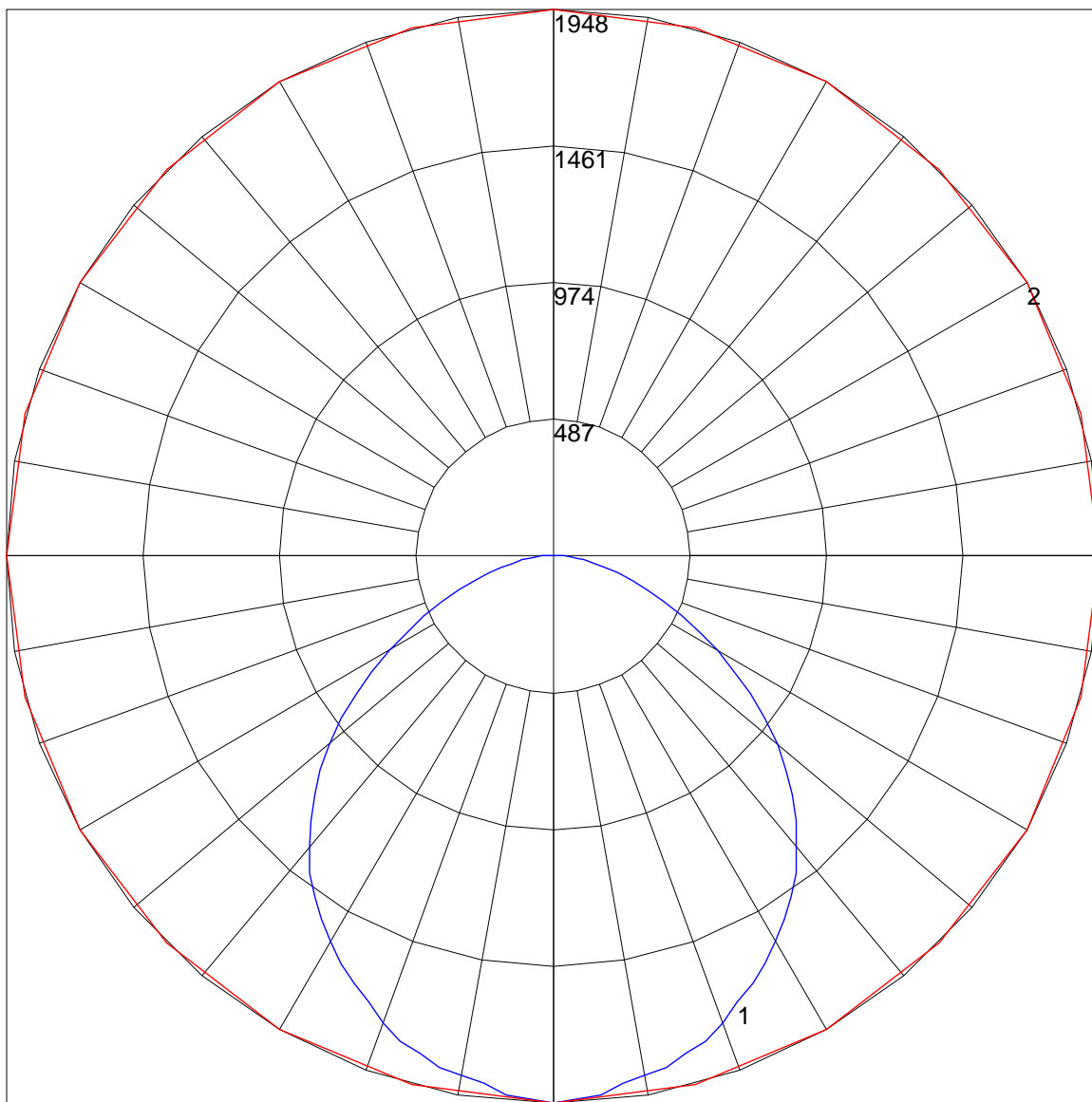
PHOTOMETRIC FILENAME : BS100LEDPLUS2HTLOWT35120-277V-FL_S.IES

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	99	95	105	101	97	93	96	93	90	92	89	87	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	71	64	87	77	69	63	74	67	62	71	65	61	68	63	59	57
4	82	70	61	54	79	68	60	54	66	58	53	63	57	52	61	55	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	39	50	44	39	37
7	64	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	39	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 = 1948.23 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)