



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_S.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2017.2.1 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUEDATE]

[TESTDATE] Mon Jan 15 11:26:08 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS100LED4XHTLOWT50120V-277V

[LAMP] LED 0.428W White 3030 package (150mA)

[LAMPCAT] SPMWHT328FD5WAV0S0

[OTHER]

IESNA:LM-63-2002

[TEST] 6,552

[TESTLAB] CSA Group

[ISSUEDATE] 7/24/2013 1:09:24 PM

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

IESNA:LM-63-2002

[TEST] 6,552

[TESTLAB] CSA Group

[ISSUEDATE] 7/24/2013 1:09:24 PM

[MANUFAC] Beghelli

[LUMINAIRE] BS100LEDDLC4HT50WWT41120-277V

[LAMP]

[\_AMBIENT] 24.3 deg C

[\_POWERFACTOR] 0.952

[\_ATHD] 2.24%

[\_CURRENT] 0.42

[\_VOLTAGE] 120.00

[\_STABILIZATION] 28:52.6 Stable

[\_POWER VARIATION] 0.15 %

[\_LIGHT VARIATION] 0.50 %

[\_Lumens] 4,360.15

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_S.IES**

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10695
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	80
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)	4.21 ft
Luminous Width (90-270)	0.56 ft
Luminous Height	0.32 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14312	10862	10362
55	12122	8974	8627
65	8810	6930	6777
75	5366	4727	4867
85	2903	2673	2681

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_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>	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59
<b>2.5</b>	3812.26	3809.84	3850.75	3839.08	3777.28	3753.85	3909.92	3717.92	3818.14	3784.22
<b>5.0</b>	3756.96	3740.21	3753.07	3788.12	3755.06	3753.36	3786.12	3736.51	3811.96	3714.64
<b>7.5</b>	3722.83	3736.76	3767.24	3741.76	3717.96	3774.32	3758.04	3736.78	3694.46	3749.39
<b>10.0</b>	3710.51	3756.47	3703.33	3723.46	3682.72	3707.90	3659.69	3673.81	3695.96	3711.89
<b>12.5</b>	3684.54	3647.72	3694.30	3663.14	3629.57	3651.75	3658.13	3672.02	3661.32	3712.69
<b>15.0</b>	3608.07	3576.80	3600.45	3596.58	3580.11	3590.66	3610.73	3619.28	3673.32	3649.34
<b>17.5</b>	3587.07	3560.05	3538.68	3539.08	3523.82	3546.74	3572.04	3598.98	3622.19	3627.86
<b>20.0</b>	3504.95	3470.36	3462.59	3492.85	3474.90	3493.57	3487.71	3534.39	3560.42	3584.20
<b>22.5</b>	3395.67	3382.45	3385.41	3389.18	3402.58	3409.54	3440.37	3450.47	3467.16	3482.44
<b>25.0</b>	3331.39	3318.96	3301.03	3299.46	3332.56	3331.75	3365.54	3398.37	3391.18	3397.71
<b>27.5</b>	3238.33	3195.09	3212.40	3235.49	3238.95	3236.52	3259.08	3302.89	3342.18	3310.83
<b>30.0</b>	3128.13	3128.50	3123.45	3126.75	3145.92	3146.15	3169.87	3194.75	3232.35	3210.50
<b>32.5</b>	3032.31	3017.74	3044.31	3048.14	3032.48	3034.47	3051.86	3065.03	3116.66	3115.34
<b>35.0</b>	2915.41	2936.23	2907.54	2920.67	2910.54	2937.05	2950.12	2966.06	3039.44	3020.93
<b>37.5</b>	2802.48	2763.45	2804.08	2786.73	2816.59	2815.22	2847.93	2882.98	2907.19	2918.10
<b>40.0</b>	2648.82	2649.00	2663.62	2701.99	2672.23	2694.43	2703.44	2733.64	2765.17	2785.55
<b>42.5</b>	2556.82	2544.64	2534.49	2557.07	2562.91	2593.10	2606.23	2620.25	2625.70	2631.32
<b>45.0</b>	2382.69	2393.39	2385.33	2414.22	2428.65	2458.70	2477.39	2486.15	2494.68	2511.60
<b>47.5</b>	2225.29	2208.00	2239.04	2269.54	2297.91	2314.60	2334.10	2350.97	2359.24	2367.47
<b>50.0</b>	2070.49	2061.58	2073.02	2122.02	2148.45	2184.96	2195.59	2223.12	2224.88	2220.48
<b>52.5</b>	1863.45	1866.30	1917.40	1965.45	2017.20	2032.32	2057.19	2075.07	2087.00	2088.13
<b>55.0</b>	1686.04	1702.30	1744.89	1811.30	1842.03	1870.55	1910.51	1942.84	1959.08	1958.47
<b>57.5</b>	1506.48	1515.16	1573.24	1640.28	1695.61	1748.66	1772.68	1797.14	1808.24	1819.94
<b>60.0</b>	1308.79	1333.36	1387.20	1479.63	1534.80	1585.84	1615.58	1657.10	1664.56	1671.94
<b>62.5</b>	1123.77	1145.35	1229.67	1308.95	1385.05	1446.45	1474.56	1504.99	1525.95	1513.72
<b>65.0</b>	946.77	972.24	1054.46	1146.80	1231.10	1297.38	1344.36	1361.84	1385.77	1387.64
<b>67.5</b>	793.37	805.86	897.28	994.45	1083.71	1164.37	1193.22	1239.88	1249.50	1246.18
<b>70.0</b>	638.01	654.89	735.60	836.09	938.82	1010.34	1065.26	1088.13	1106.89	1112.66
<b>72.5</b>	497.09	527.11	611.07	710.21	804.33	876.80	922.31	960.29	963.61	977.87
<b>75.0</b>	389.44	413.23	488.16	583.31	683.84	757.49	803.03	830.23	843.66	857.87
<b>77.5</b>	293.16	318.79	385.35	482.27	566.24	637.78	676.23	710.43	718.98	723.60
<b>80.0</b>	208.39	231.95	299.54	383.59	462.26	530.23	571.08	584.50	591.87	606.16
<b>82.5</b>	147.27	168.41	229.35	304.29	373.55	429.76	461.84	478.43	479.57	484.99
<b>85.0</b>	102.99	121.03	170.93	236.32	291.86	338.36	364.32	374.43	384.76	381.78
<b>87.5</b>	66.67	83.11	131.69	180.75	227.30	256.63	279.50	289.62	293.11	287.26
<b>90.0</b>	39.88	55.61	96.77	139.61	172.80	195.35	211.85	219.09	217.51	219.39
<b>92.5</b>	25.41	36.08	70.66	103.78	129.90	151.56	158.69	164.75	164.98	160.11
<b>95.0</b>	19.83	25.06	48.79	76.68	97.18	111.97	121.01	126.15	125.29	125.57
<b>97.5</b>	16.33	18.88	33.83	57.53	73.04	84.49	91.18	96.97	98.28	97.03
<b>100.0</b>	14.00	14.20	24.47	43.68	55.55	64.36	72.22	75.70	76.06	76.92
<b>102.5</b>	11.27	11.76	17.08	30.76	43.08	53.67	59.12	61.20	64.79	64.50
<b>105.0</b>	10.53	11.55	14.62	22.45	32.58	41.78	47.37	54.12	53.93	55.13
<b>107.5</b>	9.60	10.06	11.44	17.07	24.88	32.60	40.25	44.06	46.23	44.93
<b>110.0</b>	7.73	9.02	9.92	12.83	19.69	25.74	33.79	36.76	40.17	40.68
<b>112.5</b>	7.63	7.19	7.91	10.31	14.65	20.85	27.44	29.16	33.69	34.98
<b>115.0</b>	5.98	6.84	6.27	8.26	10.63	16.40	20.41	24.52	28.74	30.55
<b>117.5</b>	5.82	5.92	5.10	5.75	8.43	11.04	16.97	19.53	22.37	24.18
<b>120.0</b>	5.15	4.67	4.45	3.91	5.52	8.56	11.68	16.63	18.97	18.58
<b>122.5</b>	4.01	3.18	2.61	3.49	4.43	6.20	9.31	13.24	14.29	15.63
<b>125.0</b>	3.06	2.95	2.89	2.04	2.87	4.61	7.22	9.26	10.96	11.54
<b>127.5</b>	2.49	2.19	1.96	1.52	1.73	3.07	4.36	7.08	8.68	8.21
<b>130.0</b>	1.85	1.86	1.68	1.21	0.82	1.86	2.63	5.00	6.35	6.70
<b>132.5</b>	1.07	1.05	1.00	0.83	0.27	0.85	1.92	3.47	4.09	4.38

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

135.0	0.83	0.62	0.73	0.43	0.38	0.45	1.09	2.49	2.62	3.46
137.5	0.44	0.51	0.30	0.27	0.15	0.25	0.53	0.98	1.70	2.44
140.0	0.31	0.37	0.11	0.12	0.03	0.10	0.28	0.58	1.10	0.90
142.5	0.21	0.20	0.17	0.11	0.05	0.04	0.27	0.32	0.28	0.53
145.0	0.15	0.12	0.07	0.08	0.04	0.13	0.12	0.14	0.31	0.20
147.5	0.08	0.18	0.09	0.13	0.16	0.12	0.23	0.32	0.19	0.13
150.0	0.33	0.30	0.21	0.49	0.09	0.22	0.18	0.14	0.17	0.10
152.5	0.37	0.23	0.21	0.34	0.42	0.32	0.14	0.12	0.10	0.06
155.0	0.46	0.89	0.41	0.46	0.53	0.70	0.69	0.24	0.46	0.13
157.5	0.55	0.34	0.88	0.76	0.69	1.00	0.62	0.61	0.40	0.21
160.0	0.98	0.91	0.76	0.54	0.59	0.76	0.49	0.58	0.48	0.45
162.5	0.93	0.66	1.23	0.52	0.83	1.25	0.70	0.94	0.37	0.93
165.0	1.08	1.35	0.90	0.76	0.95	0.64	1.01	0.57	0.52	1.04
167.5	1.26	1.15	1.06	1.40	0.57	0.54	0.50	0.87	1.29	0.92
170.0	1.02	1.06	0.61	0.94	0.70	1.15	1.27	1.02	1.13	0.82
172.5	1.05	1.17	1.27	0.94	1.02	1.15	1.44	0.82	0.86	0.86
175.0	1.19	0.94	1.27	1.62	1.27	1.82	1.23	1.67	0.17	0.91
177.5	1.45	1.78	1.06	1.49	0.57	0.99	2.95	0.51	1.05	1.48
180.0	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71

Vert. Angles	Horizontal Angles									
	100	110	120	130	140	150	160	170	180	190
0.0	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59
2.5	3740.23	3808.55	3849.14	3795.20	3702.52	3781.87	3837.31	3757.28	3726.45	3845.59
5.0	3744.72	3790.99	3753.82	3823.51	3763.16	3804.50	3746.44	3764.99	3742.07	3728.14
7.5	3713.93	3751.63	3719.57	3708.48	3770.03	3701.42	3726.31	3767.00	3712.36	3766.63
10.0	3713.86	3714.44	3677.50	3699.96	3703.77	3697.45	3696.35	3697.15	3727.03	3676.91
12.5	3672.83	3690.21	3668.35	3669.16	3657.14	3648.77	3645.68	3655.88	3661.55	3657.87
15.0	3649.59	3664.61	3629.80	3618.92	3603.39	3612.98	3587.90	3582.30	3580.12	3599.94
17.5	3623.18	3597.95	3568.71	3581.48	3526.48	3548.18	3538.99	3543.91	3563.51	3522.33
20.0	3558.37	3538.00	3495.70	3500.78	3499.18	3473.06	3447.81	3478.34	3491.90	3468.49
22.5	3457.08	3474.92	3432.16	3413.26	3423.74	3395.19	3371.57	3402.09	3399.59	3401.24
25.0	3404.78	3396.20	3354.49	3335.06	3330.09	3307.40	3335.72	3339.21	3309.50	3309.63
27.5	3311.30	3294.17	3265.72	3248.70	3264.73	3235.22	3216.94	3229.23	3231.47	3239.46
30.0	3235.69	3182.25	3154.21	3139.26	3148.21	3141.17	3117.01	3123.48	3149.63	3140.92
32.5	3119.37	3101.01	3064.81	3042.84	3018.99	3042.66	3031.05	3029.29	3031.59	3024.72
35.0	2994.19	2974.69	2958.65	2948.19	2908.36	2916.20	2902.43	2911.81	2919.85	2918.81
37.5	2874.60	2885.22	2830.73	2819.57	2802.16	2789.75	2791.14	2771.08	2810.18	2797.44
40.0	2780.20	2754.91	2717.24	2697.80	2670.00	2677.75	2663.06	2667.95	2673.04	2677.97
42.5	2618.56	2621.99	2602.91	2576.45	2576.45	2527.56	2540.65	2546.79	2536.83	2555.92
45.0	2496.60	2474.67	2457.19	2441.08	2427.28	2409.24	2404.93	2394.28	2393.58	2402.89
47.5	2363.74	2351.37	2331.26	2319.42	2306.00	2262.40	2249.83	2247.02	2218.77	2250.46
50.0	2221.57	2216.42	2189.14	2170.54	2158.96	2116.80	2092.16	2050.58	2069.02	2057.10
52.5	2084.16	2077.36	2050.15	2029.05	2009.31	1962.01	1914.73	1883.88	1887.15	1872.98
55.0	1958.77	1945.80	1896.81	1874.94	1850.42	1806.00	1743.27	1697.73	1675.93	1699.08
57.5	1813.51	1801.44	1776.90	1729.02	1702.52	1642.92	1580.61	1523.07	1498.79	1515.18
60.0	1664.55	1653.88	1631.89	1587.21	1547.34	1475.94	1393.14	1324.85	1306.51	1333.04
62.5	1518.66	1500.21	1488.67	1442.75	1386.11	1303.42	1217.35	1149.55	1119.53	1148.94
65.0	1374.27	1350.36	1345.36	1301.65	1227.84	1144.82	1056.47	972.21	954.02	976.67
67.5	1233.44	1229.94	1201.62	1152.25	1091.26	987.83	889.07	815.40	786.42	809.00
70.0	1105.64	1088.34	1055.65	1014.59	938.52	846.55	736.31	666.26	632.38	668.87
72.5	972.80	959.97	930.64	878.88	806.11	712.15	613.08	531.60	504.56	530.04
75.0	840.08	829.59	802.21	755.68	684.15	582.05	492.57	417.12	386.28	418.13
77.5	718.84	708.16	686.36	644.75	562.28	480.31	391.53	317.39	289.65	316.59
80.0	599.78	586.41	567.98	529.52	468.00	381.64	299.56	235.15	214.49	239.87

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

82.5	484.07	478.49	455.48	428.22	368.48	301.33	232.49	173.37	150.64	169.51
85.0	381.14	377.40	358.06	335.55	292.14	237.14	170.84	121.32	100.37	120.67
87.5	290.89	293.68	280.13	258.86	229.18	179.20	129.14	83.69	67.21	81.46
90.0	217.12	217.51	211.93	194.32	172.68	138.33	95.80	56.17	40.88	56.85
92.5	163.44	163.74	157.17	149.48	127.25	105.00	68.89	37.45	26.16	37.29
95.0	127.04	124.13	121.57	108.50	97.34	75.32	50.43	25.41	20.38	26.57
97.5	95.59	95.28	92.48	83.29	71.52	57.19	35.05	17.39	16.66	18.45
100.0	78.60	75.15	72.72	65.24	55.21	41.76	25.02	14.90	14.48	14.09
102.5	65.17	62.87	58.76	49.92	42.05	30.96	19.02	12.60	12.38	11.77
105.0	52.51	53.42	47.54	41.22	32.01	22.69	15.31	10.72	11.24	11.18
107.5	45.07	45.68	38.26	34.28	24.56	18.47	12.29	10.18	9.25	9.81
110.0	38.16	38.53	33.20	24.46	19.37	12.73	9.91	8.88	7.95	8.49
112.5	34.26	30.13	26.91	20.74	15.74	8.91	7.51	6.74	7.37	8.06
115.0	29.57	24.97	21.58	15.45	10.27	8.01	6.69	7.00	6.81	5.85
117.5	22.79	20.18	16.87	11.95	8.11	5.61	5.74	5.71	5.47	5.78
120.0	18.74	17.03	13.90	9.20	6.09	4.78	4.51	5.03	4.40	4.89
122.5	13.65	13.13	8.73	5.98	4.40	2.89	3.19	4.38	4.29	3.92
125.0	10.60	9.07	7.13	4.27	2.37	2.01	2.58	2.82	3.10	2.92
127.5	7.93	6.99	3.90	3.43	1.53	1.62	1.97	2.26	2.27	2.57
130.0	6.93	4.91	3.41	1.93	0.99	1.05	1.38	1.58	1.30	2.18
132.5	3.71	3.15	1.85	1.33	0.61	0.60	1.08	1.30	1.25	1.35
135.0	2.76	1.93	1.15	0.41	0.22	0.38	0.82	1.14	0.96	0.87
137.5	1.85	1.16	0.57	0.21	0.12	0.37	0.42	0.35	0.42	0.57
140.0	0.98	0.35	0.11	0.01	0.07	0.21	0.11	0.51	0.23	0.37
142.5	0.43	0.22	0.10	0.04	0.12	0.08	0.09	0.14	0.15	0.23
145.0	0.18	0.20	0.01	0.05	0.06	0.01	0.04	0.21	0.09	0.25
147.5	0.26	0.20	0.01	0.09	0.15	0.21	0.26	0.21	0.16	0.20
150.0	0.19	0.12	0.40	0.20	0.17	0.33	0.15	0.23	0.27	0.17
152.5	0.11	0.14	0.25	0.25	0.39	0.76	0.36	0.20	0.46	0.54
155.0	0.34	0.26	0.28	0.68	0.59	0.19	0.54	0.66	0.23	0.49
157.5	0.54	0.28	0.52	0.50	0.96	0.82	0.46	0.49	0.47	0.49
160.0	0.89	0.45	0.39	1.00	0.56	0.99	0.97	0.98	0.64	0.77
162.5	1.03	0.29	0.67	1.00	1.03	0.83	0.64	0.78	0.69	0.84
165.0	0.96	0.90	0.85	0.76	0.83	0.81	0.53	1.03	1.23	1.14
167.5	1.34	1.25	1.16	0.80	0.47	0.43	1.19	1.80	0.94	1.28
170.0	0.48	1.09	0.47	1.10	0.50	1.27	0.68	0.84	1.14	0.73
172.5	0.99	0.85	0.83	1.11	1.48	0.33	1.24	1.15	0.60	0.76
175.0	1.76	0.23	1.12	1.77	1.45	0.77	0.47	1.44	1.72	0.76
177.5	0.94	1.03	0.97	0.00	0.99	1.53	0.00	0.55	0.85	0.89
180.0	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71

**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	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59
2.5	3790.47	3767.04	3824.61	3753.53	3810.99	3739.66	3775.86	3865.05	3789.29	3672.85
5.0	3767.84	3842.07	3769.57	3785.69	3804.09	3736.72	3745.00	3762.89	3774.91	3784.77
7.5	3746.46	3737.96	3738.84	3756.47	3700.72	3722.13	3705.44	3720.98	3694.06	3712.76
10.0	3705.54	3677.69	3679.32	3707.01	3686.69	3690.83	3701.60	3702.67	3703.05	3726.52
12.5	3651.49	3659.70	3632.01	3639.50	3639.93	3682.76	3694.09	3679.30	3643.42	3675.32
15.0	3594.46	3592.38	3577.61	3595.15	3599.27	3651.95	3646.07	3621.85	3665.12	3642.93
17.5	3560.74	3503.11	3544.52	3527.99	3578.42	3590.42	3581.05	3630.47	3626.50	3623.69
20.0	3451.26	3451.05	3520.84	3492.31	3512.24	3515.79	3584.63	3579.47	3600.17	3544.32
22.5	3400.51	3398.72	3402.90	3379.08	3437.48	3471.81	3451.73	3481.49	3474.45	3441.38
25.0	3324.79	3318.21	3311.89	3328.00	3325.85	3359.66	3382.61	3396.96	3375.48	3393.69
27.5	3225.25	3230.76	3246.51	3234.61	3236.43	3288.44	3304.39	3326.69	3314.21	3314.14

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

30.0	3119.41	3107.88	3132.88	3160.50	3159.56	3208.13	3212.95	3221.94	3220.06	3183.17
32.5	3024.92	3037.95	3023.18	3061.30	3056.72	3097.80	3114.37	3131.61	3119.23	3087.17
35.0	2904.51	2911.38	2908.52	2931.90	2952.67	2974.52	3015.43	3020.75	3020.23	2992.51
37.5	2793.45	2795.25	2798.20	2819.29	2842.88	2865.06	2894.37	2907.57	2895.68	2889.40
40.0	2683.02	2677.09	2684.26	2711.61	2738.18	2723.99	2748.37	2782.71	2751.68	2755.01
42.5	2530.07	2551.65	2561.76	2586.14	2609.06	2611.65	2627.73	2650.14	2621.36	2612.12
45.0	2398.74	2415.16	2447.32	2451.99	2470.13	2470.93	2501.06	2509.45	2514.72	2480.78
47.5	2246.45	2261.56	2295.09	2316.02	2334.28	2324.62	2363.56	2354.28	2374.54	2351.75
50.0	2078.33	2110.33	2145.29	2165.18	2203.54	2201.19	2219.41	2210.19	2221.81	2227.54
52.5	1918.37	1962.96	1994.02	2025.89	2055.60	2073.67	2091.78	2100.04	2096.93	2079.72
55.0	1755.69	1799.41	1855.13	1890.91	1915.55	1942.00	1951.77	1959.13	1951.55	1946.04
57.5	1564.09	1634.09	1696.08	1748.14	1776.74	1797.61	1805.51	1824.39	1810.61	1795.58
60.0	1405.07	1465.09	1545.03	1588.49	1632.09	1656.73	1661.43	1663.58	1661.74	1653.82
62.5	1224.34	1307.13	1382.48	1445.41	1484.93	1506.15	1516.26	1523.03	1531.84	1506.30
65.0	1055.13	1143.83	1229.12	1298.86	1340.13	1359.92	1385.28	1382.52	1368.87	1364.71
67.5	885.75	986.80	1082.69	1159.25	1196.31	1221.68	1239.26	1244.61	1239.81	1233.25
70.0	747.06	846.98	941.78	1011.38	1058.47	1079.29	1110.99	1114.07	1106.05	1079.56
72.5	603.86	719.92	815.30	887.92	928.30	955.26	977.61	982.22	974.22	960.17
75.0	493.26	588.75	686.80	754.68	804.30	829.86	840.75	856.77	835.45	833.32
77.5	380.57	474.84	564.82	636.48	689.10	706.27	721.77	726.40	717.80	702.48
80.0	302.52	384.78	463.01	525.11	562.41	588.70	597.38	601.08	603.37	587.01
82.5	227.57	301.85	367.52	427.04	459.91	477.25	484.52	479.80	485.60	477.62
85.0	174.32	234.26	294.65	344.51	365.16	376.55	381.21	380.51	381.89	376.86
87.5	132.97	183.88	225.01	259.53	275.43	290.27	288.48	287.35	283.63	287.88
90.0	95.47	141.38	173.55	196.52	208.74	217.30	218.42	217.35	218.38	218.61
92.5	71.27	103.43	128.62	149.85	159.66	163.17	162.30	161.95	165.17	166.44
95.0	48.71	76.95	95.88	111.21	120.27	127.36	120.84	125.34	123.59	124.37
97.5	36.41	57.02	73.45	86.22	91.52	97.65	94.84	94.88	90.82	92.57
100.0	24.74	41.42	53.95	65.83	70.71	75.88	77.95	76.47	78.27	76.58
102.5	18.22	30.24	41.74	51.26	59.10	61.75	63.64	64.52	64.00	62.14
105.0	14.09	23.49	32.65	40.40	47.15	52.31	54.83	53.97	53.02	50.98
107.5	11.47	17.13	25.56	33.83	39.80	43.17	44.89	44.90	47.36	43.16
110.0	9.10	13.71	19.08	25.74	32.14	37.16	38.23	39.20	39.79	36.25
112.5	8.26	10.50	13.55	21.17	27.11	31.05	34.66	35.45	33.52	31.19
115.0	7.25	7.75	11.13	17.30	21.27	25.95	27.52	29.59	27.72	24.91
117.5	5.88	5.98	8.44	12.49	16.53	21.29	21.95	23.91	21.53	20.92
120.0	4.66	4.17	5.54	9.48	12.81	16.42	18.55	21.09	18.75	15.62
122.5	3.31	3.11	4.53	6.70	8.86	11.22	14.69	15.53	14.70	12.66
125.0	2.44	2.46	2.76	4.19	6.56	9.91	10.99	11.70	11.62	9.14
127.5	2.61	1.45	1.90	3.11	4.67	6.76	8.40	9.40	8.58	6.82
130.0	1.34	1.31	0.89	1.73	3.38	4.63	5.51	5.95	6.61	4.59
132.5	1.04	0.76	0.50	1.00	2.14	3.43	4.52	4.41	3.47	2.92
135.0	0.56	0.52	0.26	0.44	1.00	2.42	2.95	2.98	2.78	2.21
137.5	0.65	0.14	0.27	0.13	0.53	1.17	1.61	2.11	1.78	0.93
140.0	0.20	0.08	0.07	0.06	0.36	0.63	0.91	1.02	0.87	0.49
142.5	0.04	0.03	0.07	0.10	0.40	0.42	0.70	0.56	0.30	0.39
145.0	0.19	0.04	0.04	0.04	0.41	0.11	0.33	0.26	0.17	0.12
147.5	0.15	0.25	0.16	0.26	0.12	0.05	0.25	0.14	0.18	0.20
150.0	0.29	0.12	0.25	0.30	0.29	0.21	0.09	0.07	0.15	0.20
152.5	0.37	0.30	0.64	0.30	0.14	0.26	0.14	0.02	0.20	0.14
155.0	0.49	0.43	0.43	0.37	0.40	0.48	0.07	0.25	0.41	0.61
157.5	0.68	0.78	1.09	0.74	0.57	0.33	0.27	0.58	0.66	0.69
160.0	0.91	1.22	1.08	0.71	0.92	0.88	0.57	0.81	0.97	0.47
162.5	0.62	0.67	0.95	0.72	0.97	1.05	0.48	0.90	0.68	0.71
165.0	1.03	1.20	1.26	0.43	0.75	1.25	0.81	0.82	0.60	0.93
167.5	0.75	1.22	0.37	1.30	0.78	1.19	0.74	0.79	0.66	0.90

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	0.96	0.92	0.92	1.02	0.59	1.37	0.73	0.68	0.66	0.79
<b>172.5</b>	0.79	1.35	1.13	0.96	0.93	1.59	0.63	0.95	0.98	1.43
<b>175.0</b>	0.98	0.80	1.03	1.78	1.74	0.51	0.02	1.12	0.69	2.05
<b>177.5</b>	1.73	0.51	0.95	0.51	0.52	0.53	1.25	0.86	1.50	0.54
<b>180.0</b>	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71

**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>	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59	3816.59
<b>2.5</b>	3777.90	3809.70	3825.23	3792.88	3821.84	3801.39	3812.26
<b>5.0</b>	3782.18	3783.09	3797.76	3756.58	3794.13	3765.05	3756.96
<b>7.5</b>	3744.73	3728.43	3728.24	3700.50	3770.98	3747.45	3722.83
<b>10.0</b>	3696.38	3695.15	3714.54	3719.64	3661.36	3723.86	3710.51
<b>12.5</b>	3635.45	3673.99	3655.55	3667.19	3642.02	3661.73	3684.54
<b>15.0</b>	3642.82	3617.37	3608.28	3618.33	3619.25	3644.76	3608.07
<b>17.5</b>	3568.46	3559.77	3515.70	3539.01	3513.28	3558.45	3587.07
<b>20.0</b>	3511.12	3482.58	3501.97	3487.62	3505.45	3472.03	3504.95
<b>22.5</b>	3461.08	3398.44	3397.25	3375.73	3417.05	3390.99	3395.67
<b>25.0</b>	3354.85	3333.66	3316.83	3324.03	3314.59	3304.27	3331.39
<b>27.5</b>	3246.47	3261.32	3215.17	3241.57	3201.98	3229.64	3238.33
<b>30.0</b>	3150.24	3174.73	3155.75	3116.68	3131.16	3122.65	3128.13
<b>32.5</b>	3077.00	3035.73	3043.69	3042.22	3035.27	3018.60	3032.31
<b>35.0</b>	2955.45	2929.08	2954.52	2923.48	2901.56	2890.81	2915.41
<b>37.5</b>	2840.97	2817.13	2813.38	2802.25	2796.91	2794.30	2802.48
<b>40.0</b>	2730.03	2715.61	2694.08	2681.21	2670.42	2667.25	2648.82
<b>42.5</b>	2591.53	2605.85	2543.84	2558.85	2515.69	2520.46	2556.82
<b>45.0</b>	2451.49	2456.79	2432.79	2428.20	2402.03	2395.15	2382.69
<b>47.5</b>	2330.60	2311.14	2285.04	2259.45	2235.53	2220.23	2225.29
<b>50.0</b>	2197.50	2166.14	2164.91	2116.80	2085.46	2051.53	2070.49
<b>52.5</b>	2046.41	2037.63	2008.27	1949.97	1929.78	1872.74	1863.45
<b>55.0</b>	1919.03	1885.35	1850.03	1796.13	1739.44	1689.48	1686.04
<b>57.5</b>	1774.77	1737.21	1683.20	1643.23	1559.98	1511.23	1506.48
<b>60.0</b>	1629.04	1596.92	1542.10	1471.63	1377.85	1322.27	1308.79
<b>62.5</b>	1487.91	1449.77	1392.81	1315.27	1215.80	1145.79	1123.77
<b>65.0</b>	1340.49	1289.78	1236.78	1143.53	1050.28	978.07	946.77
<b>67.5</b>	1200.44	1157.96	1086.26	994.81	893.36	807.28	793.37
<b>70.0</b>	1056.43	1013.74	933.54	837.70	749.73	661.77	638.01
<b>72.5</b>	926.80	881.33	815.28	711.66	616.59	531.48	497.09
<b>75.0</b>	801.86	755.05	684.59	592.48	491.26	413.66	389.44
<b>77.5</b>	683.48	633.18	567.63	475.50	386.47	318.95	293.16
<b>80.0</b>	565.63	522.08	458.05	381.50	297.58	237.50	208.39
<b>82.5</b>	457.73	428.37	376.04	302.18	226.45	173.15	147.27
<b>85.0</b>	364.54	338.26	296.20	239.03	172.68	121.49	102.99
<b>87.5</b>	278.08	258.06	229.94	185.45	129.31	82.17	66.67
<b>90.0</b>	207.50	201.43	175.13	139.01	96.20	56.00	39.88
<b>92.5</b>	158.16	147.17	128.46	108.29	68.60	35.61	25.41
<b>95.0</b>	119.29	110.78	97.19	75.51	49.84	27.21	19.83
<b>97.5</b>	91.44	85.15	68.96	56.46	34.26	18.27	16.33
<b>100.0</b>	73.39	65.94	58.79	40.23	24.55	13.80	14.00
<b>102.5</b>	58.35	50.04	42.74	30.74	19.13	13.12	11.27
<b>105.0</b>	47.42	40.77	33.26	23.68	15.37	11.28	10.53
<b>107.5</b>	39.04	32.22	25.24	16.87	12.48	9.04	9.60
<b>110.0</b>	33.03	24.59	19.60	12.94	9.67	9.67	7.73
<b>112.5</b>	26.42	21.42	15.40	9.90	8.64	7.68	7.63
<b>115.0</b>	20.24	15.30	10.91	7.39	6.66	6.77	5.98

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

117.5	16.46	11.20	8.02	5.65	5.48	5.76	5.82
120.0	11.36	8.87	5.40	3.94	4.40	5.23	5.15
122.5	9.04	6.03	4.61	3.58	3.19	4.06	4.01
125.0	6.74	4.55	2.93	2.21	3.01	3.01	3.06
127.5	4.95	2.98	1.44	1.35	2.37	2.54	2.49
130.0	2.80	1.76	0.85	1.13	1.33	1.83	1.85
132.5	1.84	0.90	0.47	0.92	1.25	1.21	1.07
135.0	1.02	0.25	0.32	0.57	0.60	0.95	0.83
137.5	0.25	0.25	0.20	0.33	0.43	0.35	0.44
140.0	0.21	0.12	0.06	0.15	0.17	0.25	0.31
142.5	0.04	0.07	0.01	0.11	0.17	0.18	0.21
145.0	0.04	0.00	0.08	0.31	0.12	0.19	0.15
147.5	0.01	0.24	0.07	0.13	0.25	0.14	0.08
150.0	0.14	0.24	0.31	0.17	0.18	0.38	0.33
152.5	0.49	0.29	0.32	0.46	0.35	0.37	0.37
155.0	0.34	0.50	0.38	0.46	0.59	0.31	0.46
157.5	0.64	0.50	0.86	0.67	0.60	0.74	0.55
160.0	0.83	0.94	0.80	0.66	0.84	1.31	0.98
162.5	0.66	1.09	0.77	1.05	1.12	0.96	0.93
165.0	0.90	1.06	1.07	0.44	1.02	0.75	1.08
167.5	1.17	0.79	1.09	0.87	0.96	0.77	1.26
170.0	0.67	1.40	1.59	0.81	0.44	0.78	1.02
172.5	0.35	1.46	1.15	0.66	2.11	1.09	1.05
175.0	1.42	0.68	1.16	1.27	0.96	0.07	1.19
177.5	1.44	0.50	2.39	0.77	1.43	1.04	1.45
180.0	0.71	0.71	0.71	0.71	0.71	0.71	0.71



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_S.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1378.51	N.A.	12.90
0-30	2919.07	N.A.	27.30
0-40	4761.31	N.A.	44.50
0-60	8291.44	N.A.	77.50
0-80	10213.99	N.A.	95.50
0-90	10529.8	N.A.	98.50
10-90	10172.29	N.A.	95.10
20-40	3382.8	N.A.	31.60
20-50	5264.34	N.A.	49.20
40-70	4738.28	N.A.	44.30
60-80	1922.55	N.A.	18.00
70-80	714.40	N.A.	6.70
80-90	315.81	N.A.	3.00
90-110	141.97	N.A.	1.30
90-120	157.90	N.A.	1.50
90-130	163.18	N.A.	1.50
90-150	164.36	N.A.	1.50
90-180	164.90	N.A.	1.50
110-180	22.94	N.A.	0.20
0-180	10694.7	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	357.51
10-20	1021.00
20-30	1540.56
30-40	1842.24
40-50	1881.55
50-60	1648.58
60-70	1208.15
70-80	714.40
80-90	315.81
90-100	104.17
100-110	37.80
110-120	15.93
120-130	5.28
130-140	1.05
140-150	0.13
150-160	0.21
160-170	0.25
170-180	0.10

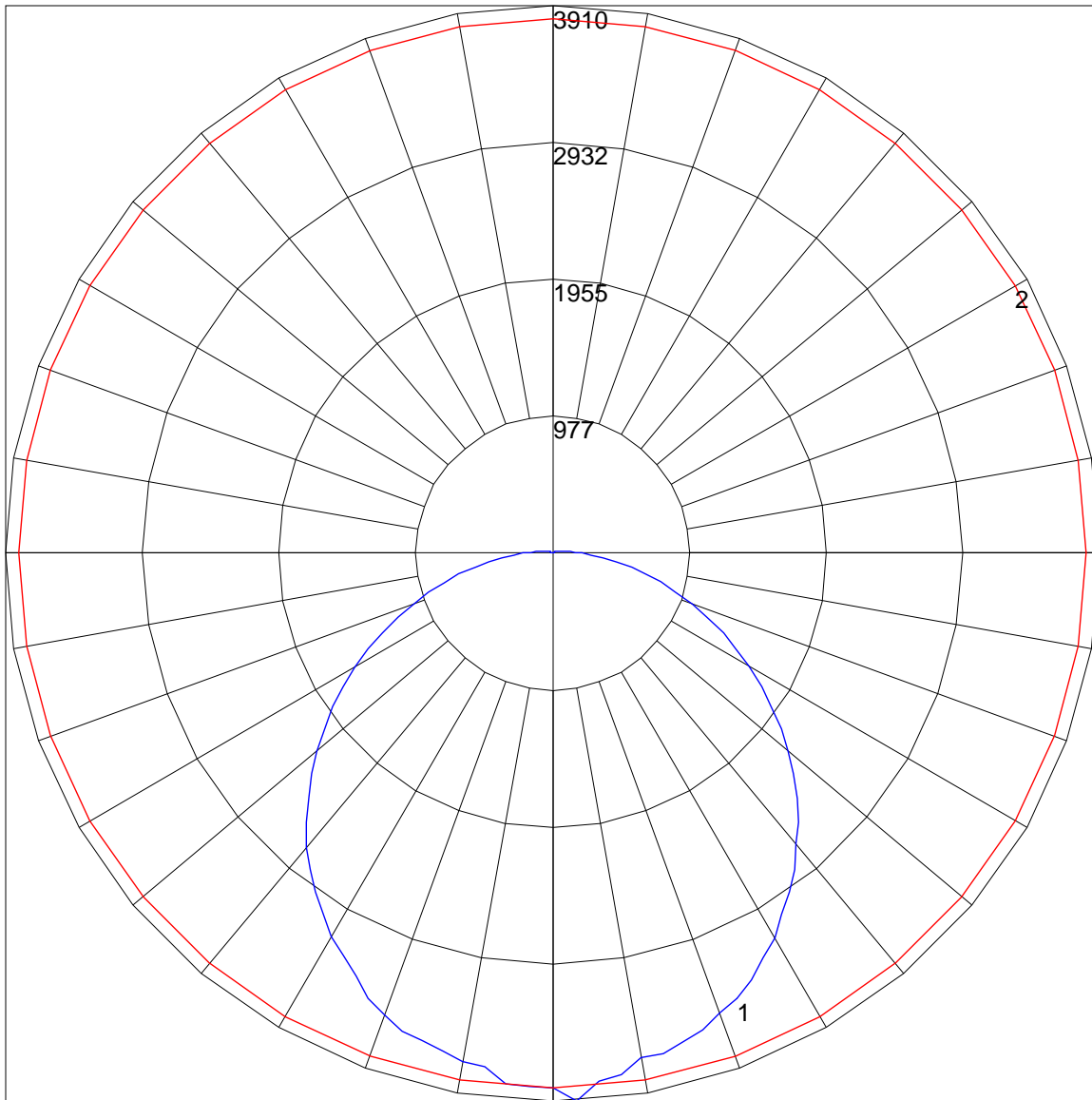
IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT50120V-277V\_S.IES

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	98
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	82	76	84	79	74	81	76	72	77	74	70	68
3	90	79	71	64	87	77	70	64	74	68	62	71	66	61	68	64	60	57
4	82	70	61	55	80	69	60	54	66	59	53	63	57	52	61	56	51	49
5	76	63	54	47	73	61	53	47	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	26
10	53	40	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 3909.92 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 (0)