



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-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)

[ISSUE DATE]

[TEST DATE] Mon Jan 15 12:05:22 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS100LED4XHTHOWT30120V-277V

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

[LAMPCAT] SPMWHT328FD5WAV0S0

[OTHER]

IESNA:LM-63-2002

[TEST] 6,552

[TESTLAB] CSA Group

[ISSUE DATE] 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

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11568
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	100
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-277V\_S.IES**

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15610	11767	11179
55	13162	9762	9258
65	9581	7531	7294
75	5754	5073	5220
85	3117	2863	2922

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-277V\_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>	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47
<b>2.5</b>	4099.62	4160.27	4136.54	4058.05	4118.30	4124.07	4042.67	4120.64	4119.07	4117.56
<b>5.0</b>	4084.74	4123.55	4059.57	4066.23	4055.42	4083.82	4112.11	4131.68	4143.54	4020.06
<b>7.5</b>	4037.32	4126.12	4050.49	4066.25	4059.83	4011.62	4049.35	4041.83	4009.44	4028.87
<b>10.0</b>	3996.29	4029.98	4029.70	4010.09	3989.60	4001.32	4034.81	4016.53	3950.79	4042.38
<b>12.5</b>	3934.44	3957.92	3976.66	3984.69	3976.96	3981.04	3967.57	3991.97	4015.08	3971.03
<b>15.0</b>	3911.07	3877.00	3910.50	3893.44	3893.11	3914.66	3902.19	3904.80	3959.82	3961.04
<b>17.5</b>	3851.33	3815.25	3817.90	3842.65	3858.72	3880.26	3869.49	3898.76	3926.29	3928.77
<b>20.0</b>	3788.79	3762.90	3758.61	3760.10	3785.73	3786.80	3803.57	3814.81	3848.89	3846.50
<b>22.5</b>	3668.85	3668.75	3696.86	3668.74	3677.67	3713.23	3723.14	3732.03	3777.31	3798.31
<b>25.0</b>	3592.94	3588.12	3577.86	3597.04	3585.97	3627.56	3646.11	3677.08	3652.83	3693.28
<b>27.5</b>	3495.12	3457.68	3480.77	3483.43	3478.95	3518.77	3526.45	3571.95	3617.97	3578.40
<b>30.0</b>	3370.76	3371.01	3371.65	3392.31	3402.98	3396.68	3446.42	3472.09	3516.56	3500.26
<b>32.5</b>	3296.46	3266.60	3247.64	3271.85	3301.87	3293.83	3313.65	3345.14	3374.55	3392.36
<b>35.0</b>	3149.58	3137.04	3153.40	3165.45	3156.00	3178.46	3189.85	3231.99	3253.36	3263.09
<b>37.5</b>	3013.21	3011.04	3031.79	3038.78	3046.77	3048.77	3083.18	3121.90	3137.99	3149.97
<b>40.0</b>	2891.58	2878.92	2882.59	2896.34	2908.58	2909.09	2943.50	2978.47	2997.97	2985.80
<b>42.5</b>	2747.02	2721.32	2731.26	2731.70	2773.19	2791.27	2837.57	2850.40	2856.45	2859.88
<b>45.0</b>	2598.85	2590.07	2563.84	2589.05	2631.95	2662.43	2679.77	2711.01	2719.15	2709.64
<b>47.5</b>	2390.09	2400.96	2429.91	2421.39	2475.67	2512.17	2538.11	2549.31	2555.54	2558.67
<b>50.0</b>	2227.90	2239.21	2234.60	2293.65	2340.92	2362.36	2388.25	2393.07	2395.78	2392.74
<b>52.5</b>	2036.26	2030.24	2063.92	2136.10	2177.55	2193.16	2224.17	2247.19	2259.23	2283.60
<b>55.0</b>	1830.64	1837.60	1882.39	1955.33	1999.36	2039.22	2077.39	2079.77	2128.16	2101.73
<b>57.5</b>	1617.62	1648.00	1698.10	1771.84	1815.52	1877.13	1923.29	1938.20	1965.02	1950.74
<b>60.0</b>	1415.77	1430.04	1516.81	1597.94	1653.74	1696.56	1757.70	1789.09	1802.54	1804.79
<b>62.5</b>	1215.90	1236.39	1319.35	1413.23	1490.17	1558.14	1597.44	1632.05	1641.85	1648.83
<b>65.0</b>	1029.58	1045.53	1126.65	1232.90	1338.75	1409.04	1452.08	1482.93	1503.18	1493.36
<b>67.5</b>	849.54	874.69	965.09	1068.33	1180.80	1247.35	1301.30	1333.81	1350.05	1348.71
<b>70.0</b>	683.12	716.91	806.52	918.32	1011.36	1097.85	1135.82	1183.69	1195.47	1205.69
<b>72.5</b>	540.85	579.05	658.12	773.62	876.79	953.80	1007.65	1040.42	1055.76	1055.27
<b>75.0</b>	417.62	452.17	530.68	638.69	735.71	811.38	865.37	895.11	911.83	920.13
<b>77.5</b>	318.63	345.05	417.92	517.73	605.24	686.13	736.07	771.12	792.56	784.77
<b>80.0</b>	232.30	251.19	321.33	414.57	505.28	572.24	620.04	638.16	643.90	650.46
<b>82.5</b>	155.91	182.93	245.54	327.29	402.47	460.90	493.94	512.91	530.33	526.13
<b>85.0</b>	110.59	126.58	186.41	255.61	311.57	363.49	389.40	408.46	412.51	416.17
<b>87.5</b>	75.03	91.59	138.70	200.02	243.75	282.42	301.24	315.01	315.05	316.74
<b>90.0</b>	43.16	59.86	105.41	150.77	187.11	213.92	230.37	239.06	238.54	239.05
<b>92.5</b>	27.19	40.26	74.21	113.26	137.67	159.68	174.75	175.04	177.68	175.23
<b>95.0</b>	21.32	27.56	52.67	83.97	103.93	121.17	128.57	132.18	138.24	133.03
<b>97.5</b>	17.61	20.41	37.26	61.40	81.28	92.52	98.94	101.99	103.93	104.06
<b>100.0</b>	15.02	16.11	26.23	45.72	59.62	70.65	77.30	82.92	83.81	83.50
<b>102.5</b>	12.84	14.17	20.66	33.02	45.62	55.64	63.62	66.05	67.31	68.47
<b>105.0</b>	11.21	11.93	15.62	25.79	34.46	44.03	53.50	55.20	57.17	60.85
<b>107.5</b>	10.05	10.46	14.60	18.57	28.96	36.21	42.90	47.92	47.83	49.84
<b>110.0</b>	9.22	9.86	10.63	14.11	21.55	28.06	37.07	40.04	44.28	44.50
<b>112.5</b>	8.27	8.13	8.65	10.78	15.80	22.20	28.64	33.81	37.51	37.40
<b>115.0</b>	6.95	6.81	7.22	8.51	12.04	16.71	22.16	27.79	30.57	30.96
<b>117.5</b>	5.85	5.89	5.80	6.84	8.56	12.58	17.71	22.82	25.77	27.69
<b>120.0</b>	5.45	5.02	5.27	4.48	6.42	9.64	13.55	16.22	19.62	20.88
<b>122.5</b>	4.20	4.25	4.17	3.53	4.28	8.06	9.31	13.79	16.16	17.36
<b>125.0</b>	2.86	3.31	2.77	2.47	2.90	4.96	7.40	9.46	10.42	13.09
<b>127.5</b>	2.70	2.31	2.04	1.85	1.55	3.62	5.26	7.31	9.68	9.95
<b>130.0</b>	2.03	2.07	1.63	1.16	1.05	2.09	3.67	5.00	6.73	7.38
<b>132.5</b>	1.30	1.40	1.23	0.79	0.56	1.18	2.43	3.10	4.03	4.43

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

135.0	1.15	0.65	0.77	0.49	0.33	0.51	1.35	2.39	3.17	3.29
137.5	0.66	0.51	0.43	0.31	0.19	0.22	0.54	1.44	1.99	2.26
140.0	0.43	0.43	0.23	0.08	0.15	0.09	0.20	0.62	0.87	0.96
142.5	0.41	0.17	0.15	0.04	0.00	0.05	0.25	0.05	0.45	0.47
145.0	0.06	0.12	0.08	0.05	0.07	0.09	0.24	0.18	0.43	0.44
147.5	0.02	0.29	0.09	0.17	0.07	0.11	0.01	0.11	0.51	0.00
150.0	0.21	0.24	0.29	0.58	0.22	0.44	0.19	0.15	0.27	0.27
152.5	0.48	0.30	0.35	0.41	0.41	0.32	0.41	0.27	0.15	0.07
155.0	0.68	0.51	0.33	0.32	0.91	0.78	0.48	0.36	0.30	0.24
157.5	0.64	0.81	0.46	0.64	0.82	1.15	0.38	0.46	0.79	0.38
160.0	0.62	0.38	0.87	0.78	1.17	0.57	0.85	0.76	0.93	0.50
162.5	1.32	1.16	1.05	0.97	0.70	0.55	0.60	0.43	0.96	0.81
165.0	1.21	1.02	0.73	1.02	1.10	1.25	0.94	1.14	0.89	0.64
167.5	1.41	1.85	1.06	0.91	0.70	1.02	0.52	0.65	0.76	0.73
170.0	0.81	1.32	0.36	1.81	1.05	1.69	1.02	1.06	1.04	1.33
172.5	1.75	0.90	0.84	1.19	1.54	1.43	1.61	2.40	0.57	0.66
175.0	1.59	0.76	0.29	0.72	1.06	1.98	1.10	1.18	1.32	1.15
177.5	2.19	0.04	1.47	1.01	0.59	1.14	1.03	0.59	0.51	1.02
180.0	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

**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	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47
2.5	4134.62	4042.01	4162.57	4126.03	4131.58	4112.45	3990.30	4210.12	4090.26	4114.40
5.0	4048.18	4056.68	4108.74	4102.58	4044.64	4127.13	4108.56	4087.00	4097.15	4118.42
7.5	4096.84	4025.12	3990.62	4014.32	4042.72	4029.78	3986.56	4057.66	4076.33	4060.57
10.0	4038.97	4031.89	4028.19	4019.10	4038.01	3986.86	4068.01	4043.72	4019.28	4004.77
12.5	4007.93	3979.47	3971.12	3945.15	3948.48	3918.65	3995.09	3947.13	3959.16	3971.58
15.0	3962.19	3897.62	3936.68	3910.37	3928.15	3882.04	3906.26	3909.78	3935.87	3911.02
17.5	3892.74	3894.46	3881.10	3883.43	3807.58	3848.98	3813.10	3840.58	3844.24	3848.54
20.0	3862.84	3809.50	3807.28	3763.17	3733.18	3736.99	3754.17	3780.38	3772.29	3781.48
22.5	3763.72	3758.19	3714.01	3673.72	3693.56	3663.65	3649.79	3681.88	3696.58	3654.76
25.0	3671.12	3688.96	3619.72	3598.85	3611.60	3598.88	3593.03	3577.13	3610.57	3586.12
27.5	3570.80	3567.77	3544.70	3509.39	3511.05	3468.02	3477.81	3496.90	3489.51	3486.54
30.0	3477.97	3483.68	3434.97	3417.44	3393.85	3378.89	3367.84	3364.80	3392.94	3384.55
32.5	3361.31	3344.02	3325.26	3290.90	3301.39	3272.05	3271.44	3283.90	3276.52	3282.99
35.0	3250.95	3244.19	3195.47	3157.80	3168.94	3162.29	3154.13	3145.63	3151.12	3141.74
37.5	3129.87	3081.53	3069.14	3047.80	3022.46	3008.98	3017.36	3019.84	3032.05	3031.11
40.0	2977.28	2960.05	2938.28	2947.67	2910.60	2904.14	2880.40	2875.64	2899.36	2876.67
42.5	2821.49	2812.85	2808.31	2782.75	2779.35	2757.18	2725.32	2736.21	2730.71	2730.10
45.0	2685.90	2681.53	2670.74	2663.60	2631.42	2609.83	2592.12	2576.48	2586.65	2593.76
47.5	2551.52	2520.87	2519.93	2516.70	2489.76	2443.80	2417.18	2411.31	2403.19	2414.83
50.0	2404.50	2397.24	2369.23	2332.65	2326.01	2290.66	2260.07	2211.13	2216.45	2248.21
52.5	2255.03	2235.74	2201.75	2200.10	2160.32	2113.57	2070.30	2030.86	2041.08	2039.34
55.0	2102.13	2103.31	2055.31	2034.86	2000.05	1941.00	1896.63	1852.20	1831.57	1841.21
57.5	1942.70	1921.11	1911.02	1858.49	1835.18	1782.90	1684.78	1625.18	1617.18	1636.77
60.0	1803.54	1774.97	1756.22	1712.44	1652.82	1586.41	1499.49	1435.46	1413.59	1433.63
62.5	1642.60	1627.94	1599.89	1552.60	1496.77	1425.00	1324.04	1241.04	1217.95	1243.30
65.0	1485.28	1474.23	1447.46	1400.47	1336.28	1238.81	1136.90	1054.65	1027.55	1050.74
67.5	1350.97	1323.52	1275.66	1242.67	1171.79	1066.22	962.01	873.63	848.25	881.04
70.0	1185.14	1168.89	1151.49	1098.24	1015.22	921.26	806.49	720.65	682.86	706.99
72.5	1052.65	1035.38	1000.13	955.11	866.88	769.45	659.06	568.84	542.38	571.99
75.0	917.23	896.66	862.59	812.47	733.68	639.53	525.31	450.62	418.58	451.35
77.5	777.83	758.36	733.76	684.71	616.01	513.37	416.22	346.26	309.65	341.79
80.0	640.09	632.28	613.26	566.09	499.07	416.80	322.52	254.65	230.36	257.58

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

82.5	519.52	516.27	494.31	460.40	403.81	333.05	252.31	182.17	161.54	182.57
85.0	410.71	401.63	390.64	364.26	320.22	260.83	184.96	133.81	108.60	131.14
87.5	310.34	313.65	304.28	282.53	247.41	202.20	140.63	90.46	72.31	90.88
90.0	236.57	232.31	225.06	212.37	188.66	152.44	102.28	59.57	42.90	57.59
92.5	177.49	176.66	171.62	158.39	140.49	113.72	77.53	37.77	26.78	38.89
95.0	134.85	133.62	129.08	123.47	104.28	81.21	55.75	26.79	20.44	27.55
97.5	105.32	105.31	98.56	90.18	77.97	62.30	37.97	20.32	17.14	20.95
100.0	82.93	84.30	79.00	70.05	60.61	45.81	26.67	15.57	15.43	15.71
102.5	66.98	69.12	62.57	55.36	44.90	33.36	19.75	13.80	12.17	13.19
105.0	56.34	56.24	50.02	44.68	35.13	25.43	15.83	11.39	12.69	12.54
107.5	48.34	44.28	43.42	35.04	27.68	17.85	12.93	10.74	9.80	10.34
110.0	42.64	39.35	36.17	28.21	21.10	14.05	10.21	9.97	8.87	9.42
112.5	36.66	33.86	28.47	23.65	15.73	11.11	8.22	8.11	7.97	8.00
115.0	30.89	26.14	24.36	17.40	11.61	8.50	6.76	7.69	6.64	7.10
117.5	25.99	21.64	18.08	12.17	9.07	6.34	5.74	6.57	5.80	6.39
120.0	21.14	17.60	13.41	8.51	6.02	4.58	4.60	5.92	4.76	4.93
122.5	14.60	13.05	9.81	7.49	4.44	3.21	3.94	4.31	3.89	4.37
125.0	11.40	10.25	7.44	4.49	3.21	2.65	3.32	3.40	3.46	3.17
127.5	8.88	7.81	5.53	3.51	1.96	1.86	2.47	2.76	2.68	2.24
130.0	6.57	4.65	3.51	1.75	0.86	1.26	1.79	1.72	1.60	1.96
132.5	4.15	3.47	2.34	1.00	0.73	0.90	1.36	1.17	1.38	1.40
135.0	2.70	1.85	1.03	0.37	0.18	0.64	0.73	0.99	1.02	1.08
137.5	2.22	1.23	0.50	0.16	0.17	0.29	0.50	0.56	0.39	0.46
140.0	0.56	0.48	0.22	0.10	0.08	0.01	0.26	0.47	0.35	0.44
142.5	0.32	0.19	0.08	0.09	0.03	0.16	0.10	0.13	0.36	0.21
145.0	0.49	0.20	0.00	0.03	0.07	0.12	0.17	0.00	0.08	0.13
147.5	0.24	0.40	0.14	0.20	0.29	0.09	0.11	0.02	0.25	0.15
150.0	0.11	0.11	0.03	0.43	0.31	0.33	0.27	0.19	0.26	0.25
152.5	0.15	0.27	0.52	0.63	0.69	0.41	0.54	0.49	0.38	0.27
155.0	0.09	0.43	0.29	0.68	0.70	0.69	0.52	0.58	0.33	0.60
157.5	0.65	0.41	0.56	0.81	0.82	1.07	0.66	0.59	0.78	0.47
160.0	0.65	0.36	0.66	0.99	1.27	0.82	0.84	0.56	0.61	1.36
162.5	0.64	0.79	0.38	0.84	1.00	0.89	1.23	0.65	1.35	0.79
165.0	0.81	0.58	1.29	0.65	0.40	0.71	1.12	0.89	0.90	1.26
167.5	0.37	0.48	0.90	1.03	1.23	1.63	1.43	0.90	1.37	1.03
170.0	1.02	0.84	0.78	1.10	0.93	1.27	0.66	1.27	1.52	0.71
172.5	1.33	0.67	1.15	1.57	1.56	0.36	0.69	1.68	0.67	0.87
175.0	1.07	1.03	1.01	1.17	0.28	0.73	0.82	0.89	0.57	1.87
177.5	1.99	1.08	0.00	0.51	0.51	1.06	0.59	1.15	0.51	1.07
180.0	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

**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	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47
2.5	4099.96	4054.49	4124.10	4084.85	4202.50	4115.76	4086.29	4075.41	4134.02	4148.64
5.0	4115.05	4131.38	4042.03	4052.69	4037.67	4086.25	4132.69	4099.41	4048.41	4036.13
7.5	4076.20	4031.47	4064.22	4041.80	4029.03	4035.45	4036.71	4048.70	4001.21	4091.88
10.0	4012.54	4025.58	3970.47	3985.25	3996.18	4021.00	3982.52	4024.51	4005.63	4004.82
12.5	3939.87	3938.82	3955.18	3949.53	3957.39	3979.83	3962.98	3994.34	3977.56	3949.65
15.0	3930.71	3899.57	3916.58	3887.77	3909.58	3913.41	3947.43	3944.71	3947.19	3941.80
17.5	3810.04	3812.09	3821.92	3837.87	3868.12	3889.55	3911.52	3889.17	3933.46	3886.25
20.0	3765.51	3732.65	3763.48	3783.73	3788.84	3838.88	3849.68	3874.94	3834.19	3840.50
22.5	3657.90	3660.80	3666.54	3697.28	3722.15	3724.14	3743.57	3788.27	3780.63	3750.60
25.0	3576.58	3590.78	3560.72	3597.93	3645.20	3669.03	3678.80	3664.06	3657.55	3678.17
27.5	3488.33	3484.77	3500.98	3515.81	3551.38	3580.86	3601.09	3571.82	3594.86	3584.17

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

30.0	3366.47	3386.50	3361.34	3405.56	3454.91	3456.90	3507.67	3481.26	3481.32	3466.64
32.5	3273.71	3290.15	3280.14	3289.50	3315.84	3369.78	3379.80	3388.76	3376.21	3342.29
35.0	3146.33	3158.90	3179.60	3168.67	3212.95	3242.58	3246.39	3246.51	3250.60	3240.58
37.5	3029.63	3050.22	3032.10	3043.61	3076.28	3103.09	3109.78	3158.50	3139.59	3092.62
40.0	2902.18	2901.31	2927.21	2915.38	2960.56	2982.81	2994.83	2987.77	2993.44	2990.54
42.5	2733.04	2753.72	2786.02	2800.59	2813.84	2827.86	2835.90	2853.37	2849.76	2830.52
45.0	2604.20	2617.98	2619.55	2655.20	2670.46	2661.24	2699.93	2708.62	2710.83	2688.74
47.5	2445.29	2441.25	2490.51	2500.14	2521.65	2528.35	2546.36	2561.92	2542.42	2542.74
50.0	2253.31	2284.15	2333.75	2381.20	2378.03	2394.96	2415.61	2408.15	2405.15	2388.26
52.5	2088.78	2140.00	2170.49	2196.35	2220.47	2262.88	2260.48	2280.05	2244.63	2231.15
55.0	1899.62	1954.39	2006.35	2038.41	2054.51	2099.45	2105.85	2122.71	2117.86	2096.69
57.5	1697.12	1772.51	1844.08	1884.73	1922.60	1936.70	1946.72	1954.77	1950.06	1933.55
60.0	1504.81	1594.37	1673.62	1726.25	1759.81	1783.57	1799.73	1801.65	1794.47	1777.36
62.5	1323.85	1410.67	1505.52	1554.76	1602.32	1631.29	1635.70	1660.85	1649.26	1633.05
65.0	1142.45	1254.25	1335.84	1409.25	1445.77	1487.77	1491.19	1491.09	1496.42	1466.67
67.5	961.22	1074.75	1174.67	1242.88	1305.89	1327.55	1349.54	1352.58	1335.23	1316.27
70.0	806.58	923.85	1019.59	1104.54	1137.65	1183.76	1190.89	1210.57	1196.42	1171.19
72.5	667.45	768.29	870.66	954.39	995.08	1034.65	1060.99	1059.05	1049.36	1020.96
75.0	529.57	633.68	741.19	816.33	862.83	895.76	912.68	914.16	914.39	900.38
77.5	418.35	520.87	620.93	686.57	737.23	767.32	785.37	787.65	777.23	758.07
80.0	323.70	417.87	505.76	580.24	610.88	639.81	651.65	649.39	649.39	637.49
82.5	243.11	323.89	406.42	465.98	495.68	522.35	526.14	530.48	522.53	517.33
85.0	185.41	260.26	316.20	361.14	390.68	403.41	410.58	412.14	408.58	404.59
87.5	143.33	199.07	242.70	285.53	297.81	308.84	314.44	315.68	310.29	311.81
90.0	102.09	149.64	187.52	215.80	230.66	235.44	235.58	233.85	236.73	237.59
92.5	74.74	113.34	142.37	159.83	170.18	177.25	179.47	178.27	174.16	176.23
95.0	51.78	83.74	102.21	121.26	128.86	134.98	134.19	134.14	134.81	133.81
97.5	37.35	61.87	80.14	92.38	101.57	101.61	103.77	103.35	104.29	104.14
100.0	25.64	44.85	60.13	71.77	78.14	83.25	82.58	80.12	81.41	81.58
102.5	19.72	36.02	46.08	55.19	62.40	67.48	68.82	67.54	66.78	67.83
105.0	16.51	24.92	37.79	45.49	51.88	55.28	57.89	57.95	59.24	57.80
107.5	12.13	18.04	27.15	35.67	43.88	45.96	50.02	50.46	48.13	46.85
110.0	9.64	15.35	23.11	28.56	35.60	39.11	41.43	44.10	42.23	37.87
112.5	8.21	11.36	15.08	23.17	30.71	33.21	36.28	35.93	36.08	34.34
115.0	7.49	8.46	12.45	17.19	22.89	27.18	28.86	31.71	31.12	27.35
117.5	5.34	6.44	9.01	12.25	17.55	22.18	25.37	25.77	26.21	21.23
120.0	4.91	4.33	6.14	9.15	12.67	16.66	19.18	21.76	21.23	17.66
122.5	3.94	3.20	4.19	7.20	10.31	11.92	15.17	17.09	15.72	12.79
125.0	3.53	2.36	2.67	4.66	7.22	9.53	11.42	12.69	12.52	9.70
127.5	2.05	1.78	1.92	2.94	5.12	6.96	8.65	8.79	8.48	7.82
130.0	1.52	1.27	1.31	2.67	3.74	4.48	5.60	7.13	6.06	4.49
132.5	0.99	0.68	0.80	1.15	2.19	3.74	4.06	4.72	3.96	3.27
135.0	0.66	0.55	0.34	0.55	1.16	1.98	2.83	2.94	2.39	2.34
137.5	0.41	0.21	0.25	0.25	0.82	1.06	1.59	1.82	1.76	1.03
140.0	0.32	0.10	0.13	0.10	0.26	0.75	1.35	1.50	0.88	0.70
142.5	0.11	0.07	0.05	0.07	0.21	0.05	0.23	0.58	0.56	0.35
145.0	0.01	0.08	0.09	0.16	0.13	0.29	0.24	0.31	0.26	0.12
147.5	0.14	0.12	0.09	0.08	0.09	0.23	0.16	0.33	0.21	0.24
150.0	0.29	0.35	0.60	0.26	0.09	0.06	0.05	0.13	0.20	0.12
152.5	0.60	0.13	0.45	0.30	0.42	0.10	0.06	0.06	0.12	0.17
155.0	0.84	0.90	0.51	0.58	0.41	0.13	0.31	0.34	0.25	0.65
157.5	0.82	0.96	0.47	0.80	0.80	1.06	0.24	0.52	0.54	0.45
160.0	0.71	1.07	1.23	0.33	1.05	0.52	0.90	0.95	0.77	0.64
162.5	0.42	1.43	0.55	0.77	0.83	0.67	0.40	0.73	0.93	0.77
165.0	0.70	1.24	1.06	0.86	1.17	1.09	0.57	1.01	0.46	0.98
167.5	1.44	1.22	0.74	0.71	1.06	1.11	0.45	0.71	0.96	0.77

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	1.01	0.86	0.92	1.08	0.64	1.24	0.51	0.78	0.61	1.38
<b>172.5</b>	0.86	1.45	1.25	0.82	1.49	0.61	1.09	1.08	1.24	1.96
<b>175.0</b>	1.77	0.82	1.30	0.82	0.22	0.41	1.64	0.79	0.87	1.90
<b>177.5</b>	0.48	1.96	3.00	1.91	0.61	1.60	1.01	1.13	1.11	0.54
<b>180.0</b>	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10

**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>	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47	4133.47
<b>2.5</b>	4092.84	4097.87	4137.92	4154.04	4037.13	4071.34	4099.62
<b>5.0</b>	4154.26	4104.35	4098.07	4103.97	4050.43	4047.81	4084.74
<b>7.5</b>	4011.34	4037.85	4086.73	4053.92	4065.17	4081.39	4037.32
<b>10.0</b>	3995.09	4003.01	3987.71	3972.01	3996.10	4083.31	3996.29
<b>12.5</b>	3942.54	3968.27	3941.43	3994.64	3964.05	3985.52	3934.44
<b>15.0</b>	3893.42	3863.13	3884.61	3896.27	3889.68	3885.42	3911.07
<b>17.5</b>	3876.10	3855.92	3848.89	3832.02	3820.56	3834.07	3851.33
<b>20.0</b>	3786.51	3778.57	3771.11	3745.56	3759.03	3771.89	3788.79
<b>22.5</b>	3713.64	3700.21	3686.47	3660.28	3679.54	3672.20	3668.85
<b>25.0</b>	3621.33	3601.62	3617.55	3576.79	3553.74	3567.58	3592.94
<b>27.5</b>	3548.59	3501.96	3504.02	3456.92	3495.13	3466.45	3495.12
<b>30.0</b>	3404.39	3420.14	3388.04	3371.86	3368.59	3378.94	3370.76
<b>32.5</b>	3299.63	3285.52	3267.70	3293.21	3257.70	3259.07	3296.46
<b>35.0</b>	3184.00	3177.24	3179.35	3156.02	3160.49	3144.66	3149.58
<b>37.5</b>	3073.85	3053.64	3046.85	3035.85	2994.79	3007.62	3013.21
<b>40.0</b>	2938.88	2927.74	2908.94	2893.58	2871.64	2880.15	2891.58
<b>42.5</b>	2824.04	2808.17	2768.59	2740.82	2750.46	2726.08	2747.02
<b>45.0</b>	2655.79	2652.76	2638.66	2598.37	2571.04	2578.83	2598.85
<b>47.5</b>	2532.98	2521.55	2483.62	2460.00	2421.17	2412.81	2390.09
<b>50.0</b>	2382.61	2356.84	2321.09	2287.08	2249.53	2228.06	2227.90
<b>52.5</b>	2232.81	2216.62	2167.24	2121.70	2065.18	2020.25	2036.26
<b>55.0</b>	2068.13	2048.70	2010.59	1966.48	1889.58	1841.01	1830.64
<b>57.5</b>	1917.17	1888.02	1828.73	1772.63	1710.51	1630.83	1617.62
<b>60.0</b>	1763.99	1728.06	1666.54	1601.27	1503.06	1436.41	1415.77
<b>62.5</b>	1606.91	1548.05	1504.01	1408.20	1321.79	1243.03	1215.90
<b>65.0</b>	1442.12	1401.62	1327.90	1228.95	1125.11	1043.51	1029.58
<b>67.5</b>	1294.47	1255.71	1165.71	1062.19	956.78	879.99	849.54
<b>70.0</b>	1150.56	1094.48	1022.62	917.31	802.43	715.69	683.12
<b>72.5</b>	998.85	946.40	882.30	770.61	656.39	571.87	540.85
<b>75.0</b>	866.00	817.68	735.36	641.03	531.34	446.94	417.62
<b>77.5</b>	736.63	687.10	615.03	519.01	423.85	344.09	318.63
<b>80.0</b>	605.51	575.70	494.70	415.87	323.35	253.65	232.30
<b>82.5</b>	493.04	458.96	402.13	325.94	248.99	186.04	155.91
<b>85.0</b>	391.58	360.63	320.69	255.89	186.61	131.05	110.59
<b>87.5</b>	304.41	285.75	246.14	199.49	138.54	93.52	75.03
<b>90.0</b>	226.68	210.76	187.67	150.52	105.14	60.31	43.16
<b>92.5</b>	170.49	157.63	140.60	111.79	75.67	41.06	27.19
<b>95.0</b>	131.91	123.72	103.91	82.44	53.55	27.61	21.32
<b>97.5</b>	98.58	88.58	77.51	61.13	38.25	19.08	17.61
<b>100.0</b>	76.51	71.45	60.50	45.19	27.72	15.75	15.02
<b>102.5</b>	63.74	55.60	46.06	34.62	20.38	13.73	12.84
<b>105.0</b>	52.44	45.24	35.30	26.74	15.77	12.17	11.21
<b>107.5</b>	43.18	34.00	27.83	19.41	13.12	10.52	10.05
<b>110.0</b>	34.74	26.93	20.82	13.38	10.39	9.17	9.22
<b>112.5</b>	29.26	22.69	15.17	11.00	7.87	8.56	8.27
<b>115.0</b>	23.04	17.16	11.89	8.64	7.43	7.21	6.95

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

117.5	17.64	13.11	9.08	6.34	5.61	6.04	5.85
120.0	13.93	8.69	6.37	4.62	4.78	4.12	5.45
122.5	10.15	7.40	4.31	3.47	3.98	3.91	4.20
125.0	7.62	4.64	3.22	2.74	2.98	3.08	2.86
127.5	4.96	3.42	1.66	1.82	2.37	2.28	2.70
130.0	3.16	1.88	0.93	0.99	1.76	1.96	2.03
132.5	2.79	1.03	0.42	0.98	0.80	1.38	1.30
135.0	1.13	0.54	0.17	0.43	0.52	0.78	1.15
137.5	0.67	0.10	0.17	0.26	0.48	0.66	0.66
140.0	0.11	0.03	0.08	0.10	0.14	0.38	0.43
142.5	0.16	0.04	0.01	0.01	0.16	0.17	0.41
145.0	0.08	0.00	0.13	0.01	0.19	0.11	0.06
147.5	0.05	0.12	0.26	0.31	0.05	0.33	0.02
150.0	0.13	0.34	0.39	0.52	0.30	0.14	0.21
152.5	0.35	0.29	0.43	0.45	0.48	0.35	0.48
155.0	0.63	0.40	0.66	0.52	0.31	0.47	0.68
157.5	0.61	1.05	0.76	0.99	0.65	0.82	0.64
160.0	1.07	0.66	0.75	0.66	1.00	0.88	0.62
162.5	0.68	0.89	1.04	0.45	0.84	1.28	1.32
165.0	0.62	1.18	1.75	1.58	1.45	0.91	1.21
167.5	1.15	0.92	1.37	0.77	0.56	2.14	1.41
170.0	0.36	1.27	1.58	0.95	0.51	0.83	0.81
172.5	0.83	1.10	1.08	1.07	0.89	0.92	1.75
175.0	0.80	0.51	1.54	1.89	0.79	0.54	1.59
177.5	1.38	1.43	1.56	0.78	1.26	0.80	2.19
180.0	1.10	1.10	1.10	1.10	1.10	1.10	1.10



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-277V\_S.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1492.78	N.A.	12.90
0-30	3159.71	N.A.	27.30
0-40	5152.8	N.A.	44.50
0-60	8969.81	N.A.	77.50
0-80	11048.15	N.A.	95.50
0-90	11389.84	N.A.	98.50
10-90	11002.34	N.A.	95.10
20-40	3660.03	N.A.	31.60
20-50	5694.38	N.A.	49.20
40-70	5122.9	N.A.	44.30
60-80	2078.34	N.A.	18.00
70-80	772.45	N.A.	6.70
80-90	341.69	N.A.	3.00
90-110	153.45	N.A.	1.30
90-120	170.70	N.A.	1.50
90-130	176.37	N.A.	1.50
90-150	177.61	N.A.	1.50
90-180	178.21	N.A.	1.50
110-180	24.75	N.A.	0.20
0-180	11568.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	387.50
10-20	1105.28
20-30	1666.93
30-40	1993.1
40-50	2034.36
50-60	1782.65
60-70	1305.9
70-80	772.45
80-90	341.69
90-100	112.60
100-110	40.85
110-120	17.25
120-130	5.67
130-140	1.12
140-150	0.13
150-160	0.23
160-170	0.26
170-180	0.10

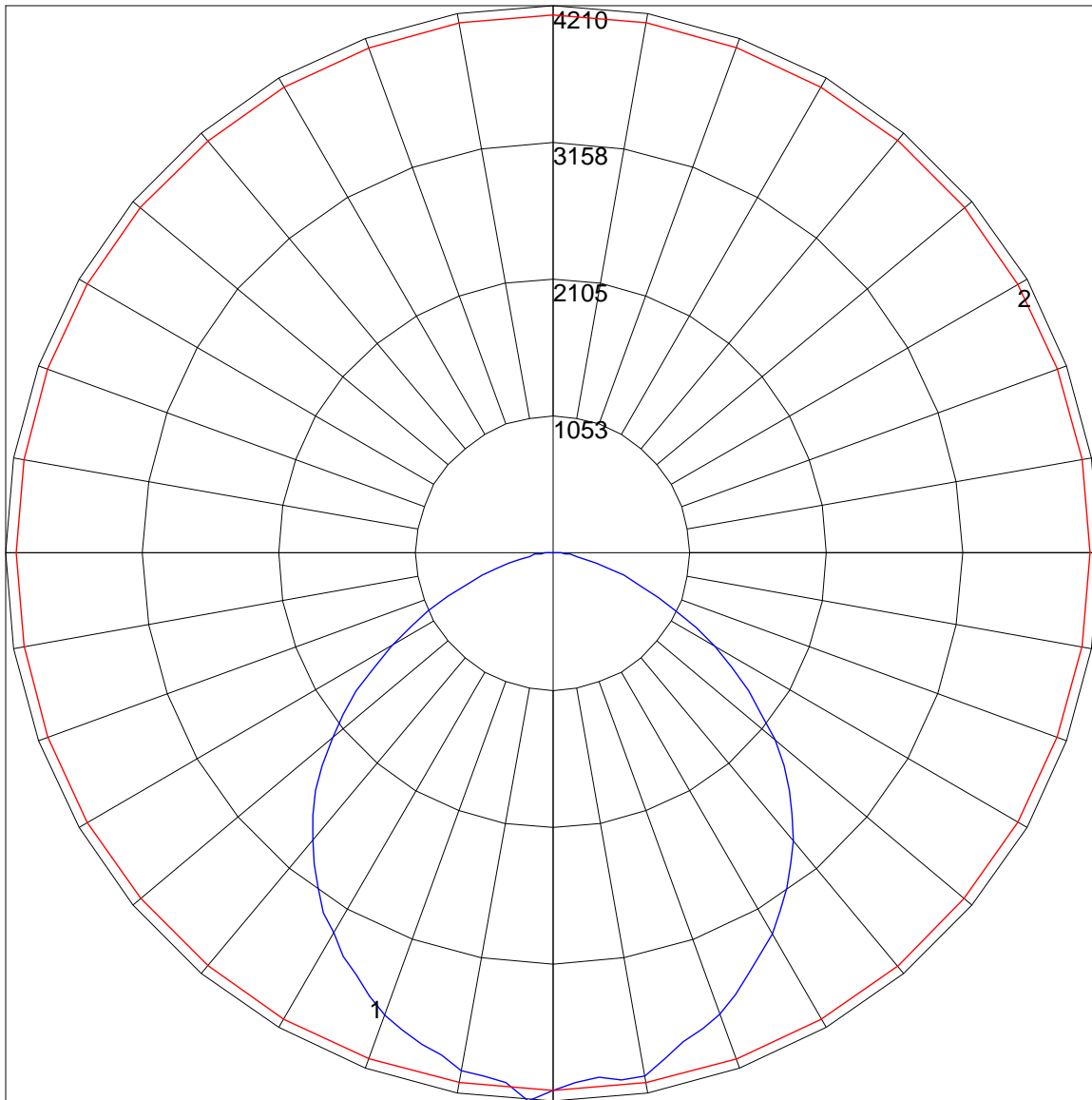
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTHOWT30120V-277V\_S.IES**

**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	96	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	48	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	27
10	53	40	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 4210.12 Located At Horizontal Angle = 170, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (170 - 350) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)