



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-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 10:31:20 2018

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BS100LED4XHTLOWT30120V-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

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9996
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	80
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)	4.21 ft
Luminous Width (90-270)	0.56 ft
Luminous Height	0.32 ft

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-277V\_S.IES**

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13405	10185	9667
55	11299	8420	8056
65	8274	6500	6308
75	5030	4398	4517
85	2667	2513	2530

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-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>	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05
<b>2.5</b>	3504.30	3569.20	3548.97	3596.42	3549.65	3507.22	3492.66	3578.97	3509.18	3558.52
<b>5.0</b>	3551.61	3533.15	3555.57	3496.70	3500.87	3550.85	3559.37	3564.37	3541.76	3465.53
<b>7.5</b>	3483.68	3507.65	3515.49	3533.28	3472.17	3487.16	3547.37	3502.21	3486.36	3505.44
<b>10.0</b>	3482.84	3457.26	3476.43	3459.11	3446.84	3485.51	3472.29	3451.46	3468.09	3439.07
<b>12.5</b>	3430.30	3411.72	3416.70	3432.36	3380.47	3408.40	3419.70	3441.57	3470.72	3433.84
<b>15.0</b>	3353.61	3335.02	3373.64	3342.63	3369.00	3372.52	3393.63	3406.56	3406.68	3405.67
<b>17.5</b>	3310.08	3302.39	3301.94	3304.36	3311.56	3339.17	3326.24	3336.62	3389.64	3397.27
<b>20.0</b>	3253.91	3256.19	3250.29	3230.21	3235.84	3261.93	3285.98	3306.70	3359.77	3339.02
<b>22.5</b>	3186.42	3164.17	3177.10	3183.64	3178.08	3189.84	3222.62	3257.62	3259.54	3257.52
<b>25.0</b>	3118.05	3102.55	3120.36	3096.74	3089.91	3108.92	3137.86	3177.65	3182.95	3174.68
<b>27.5</b>	3004.05	3009.44	3023.48	2997.14	3014.62	3021.26	3054.46	3088.82	3095.76	3110.88
<b>30.0</b>	2928.74	2917.40	2938.37	2928.18	2925.11	2935.85	2945.18	3011.42	2992.67	3018.82
<b>32.5</b>	2828.57	2828.15	2818.01	2836.40	2844.20	2856.06	2856.97	2893.26	2935.79	2936.92
<b>35.0</b>	2747.29	2727.67	2720.49	2727.42	2748.06	2750.71	2763.26	2781.60	2814.37	2839.44
<b>37.5</b>	2619.41	2616.00	2626.23	2601.87	2643.89	2652.00	2664.18	2672.07	2719.48	2711.65
<b>40.0</b>	2511.26	2489.02	2512.48	2498.69	2510.96	2528.91	2539.88	2575.70	2578.55	2586.73
<b>42.5</b>	2376.97	2377.02	2368.26	2389.21	2392.78	2422.24	2444.08	2453.29	2448.75	2463.21
<b>45.0</b>	2231.68	2234.90	2243.67	2256.31	2295.23	2287.59	2307.19	2325.83	2329.04	2343.20
<b>47.5</b>	2090.27	2073.69	2097.35	2122.29	2154.33	2163.26	2178.28	2190.13	2200.16	2194.57
<b>50.0</b>	1915.58	1925.28	1948.67	1975.14	2016.21	2039.36	2059.11	2070.75	2088.01	2087.20
<b>52.5</b>	1750.47	1764.29	1794.37	1840.58	1879.73	1897.84	1917.34	1929.24	1950.74	1950.53
<b>55.0</b>	1571.58	1588.75	1635.91	1703.55	1724.97	1758.14	1781.62	1809.27	1823.83	1828.71
<b>57.5</b>	1396.02	1409.90	1468.47	1532.24	1579.36	1621.11	1661.53	1684.24	1695.73	1697.81
<b>60.0</b>	1220.44	1236.53	1299.35	1363.43	1434.08	1488.70	1524.33	1555.20	1557.35	1564.82
<b>62.5</b>	1059.41	1072.55	1127.36	1222.75	1296.91	1347.16	1387.86	1416.16	1415.51	1435.51
<b>65.0</b>	889.15	911.06	977.85	1064.93	1156.45	1215.17	1254.67	1265.33	1289.74	1291.49
<b>67.5</b>	725.53	755.96	836.54	927.19	1022.63	1084.13	1109.99	1147.41	1156.89	1165.37
<b>70.0</b>	588.97	623.40	685.15	788.17	884.59	947.70	986.13	1010.83	1028.53	1040.72
<b>72.5</b>	472.54	498.49	571.17	660.79	747.01	823.49	865.47	895.85	916.51	920.75
<b>75.0</b>	365.07	392.01	461.49	548.33	636.39	704.90	742.97	779.00	793.43	796.13
<b>77.5</b>	269.78	292.95	355.86	449.95	534.94	596.46	626.32	660.10	678.34	672.67
<b>80.0</b>	200.27	223.10	276.08	361.86	432.80	491.77	524.00	547.56	560.78	568.44
<b>82.5</b>	135.77	159.12	210.48	283.26	346.99	398.87	429.54	443.17	457.47	454.38
<b>85.0</b>	94.62	112.71	163.04	220.38	278.14	314.33	340.31	351.17	359.36	360.27
<b>87.5</b>	65.05	77.81	120.42	172.46	210.23	244.13	257.76	271.13	272.56	269.95
<b>90.0</b>	36.51	53.59	87.90	130.34	162.09	183.33	198.91	200.98	204.20	203.76
<b>92.5</b>	25.54	34.22	64.19	97.88	119.90	137.95	148.33	150.25	151.81	152.57
<b>95.0</b>	17.92	24.11	47.60	70.36	91.23	104.93	110.43	113.85	114.57	114.68
<b>97.5</b>	14.63	17.09	32.02	54.86	65.95	79.84	87.74	88.43	88.10	90.39
<b>100.0</b>	12.18	14.19	22.98	39.55	51.12	61.23	67.27	69.85	70.85	75.15
<b>102.5</b>	11.27	11.69	17.68	29.27	39.79	46.77	56.01	56.79	57.83	60.37
<b>105.0</b>	10.28	10.62	13.96	21.74	30.21	38.61	44.19	47.91	49.64	51.79
<b>107.5</b>	9.80	9.35	11.32	17.77	22.84	29.72	36.94	41.41	43.79	41.79
<b>110.0</b>	8.07	8.51	8.48	12.78	17.90	23.48	30.06	35.32	37.39	36.55
<b>112.5</b>	6.81	7.35	7.49	9.47	15.26	19.58	24.53	29.08	30.93	32.23
<b>115.0</b>	6.13	5.59	5.58	7.09	10.33	14.80	19.10	22.51	26.98	27.32
<b>117.5</b>	5.21	5.69	5.40	5.31	7.47	10.35	16.05	18.78	21.69	22.12
<b>120.0</b>	4.72	4.18	3.89	3.95	5.57	9.06	12.07	15.74	17.43	19.37
<b>122.5</b>	3.76	3.35	3.10	3.42	3.89	7.15	9.27	11.47	13.48	13.85
<b>125.0</b>	3.13	2.76	2.73	2.18	2.19	3.63	6.39	8.90	9.72	10.59
<b>127.5</b>	1.92	2.18	2.01	1.42	1.67	2.93	4.16	6.57	7.51	8.44
<b>130.0</b>	1.49	1.73	1.24	1.02	0.88	1.76	2.78	4.96	6.10	5.97
<b>132.5</b>	1.28	1.14	0.94	0.87	0.53	1.32	2.10	2.97	3.19	3.80

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

135.0	0.75	0.62	0.72	0.63	0.41	0.59	0.91	2.14	2.46	3.05
137.5	0.75	0.72	0.35	0.25	0.13	0.01	0.50	1.55	1.45	1.60
140.0	0.34	0.29	0.25	0.08	0.10	0.04	0.37	0.27	1.00	1.06
142.5	0.18	0.18	0.12	0.04	0.10	0.07	0.09	0.34	0.39	0.44
145.0	0.06	0.19	0.10	0.10	0.14	0.10	0.08	0.27	0.16	0.16
147.5	0.04	0.09	0.27	0.28	0.11	0.05	0.12	0.05	0.26	0.26
150.0	0.09	0.00	0.17	0.31	0.20	0.23	0.05	0.14	0.21	0.17
152.5	0.09	0.19	0.38	0.45	0.43	0.26	0.38	0.18	0.05	0.06
155.0	0.81	0.18	0.54	0.34	0.72	0.26	0.42	0.32	0.11	0.02
157.5	0.63	0.70	0.25	0.43	0.61	0.43	0.63	0.54	0.15	0.24
160.0	0.75	0.81	0.64	0.81	0.75	0.65	0.69	0.53	0.36	0.71
162.5	0.67	1.15	0.70	0.84	1.03	0.71	0.57	0.84	0.74	0.78
165.0	0.96	0.66	0.76	1.02	0.84	1.02	0.87	0.68	0.89	0.67
167.5	1.26	1.43	1.42	1.08	1.28	0.67	0.67	0.56	0.38	0.56
170.0	0.96	0.36	0.26	0.79	0.81	0.98	1.18	0.49	1.16	1.53
172.5	1.17	0.59	0.71	0.91	1.23	0.85	1.68	0.64	0.32	0.56
175.0	0.90	1.36	1.71	0.64	0.27	0.21	0.51	1.00	0.77	2.22
177.5	0.32	0.45	0.48	0.84	1.40	0.87	0.43	1.73	0.00	0.90
180.0	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66

Vert. Angles	Horizontal Angles									
	100	110	120	130	140	150	160	170	180	190
0.0	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05
2.5	3513.24	3525.57	3498.89	3479.98	3538.50	3499.06	3545.85	3504.45	3529.45	3507.97
5.0	3538.60	3501.43	3510.04	3542.92	3573.06	3508.06	3546.40	3465.36	3540.35	3542.76
7.5	3480.95	3465.42	3478.13	3490.57	3475.47	3522.93	3527.18	3508.82	3487.59	3486.32
10.0	3431.22	3431.38	3445.88	3479.27	3465.05	3461.89	3487.67	3488.34	3483.80	3486.20
12.5	3461.52	3411.24	3405.80	3393.42	3397.12	3418.96	3425.70	3442.74	3437.24	3418.63
15.0	3385.48	3382.86	3426.80	3362.54	3357.87	3361.78	3367.22	3342.47	3399.82	3340.08
17.5	3383.14	3333.20	3327.63	3346.08	3307.08	3319.35	3295.03	3338.01	3299.21	3314.29
20.0	3322.52	3302.31	3259.42	3266.35	3278.72	3244.67	3251.08	3243.31	3225.67	3252.14
22.5	3249.56	3247.75	3189.87	3197.37	3186.96	3169.92	3137.89	3168.61	3196.57	3181.16
25.0	3188.46	3161.45	3113.87	3080.37	3087.03	3098.68	3081.23	3107.54	3091.91	3093.22
27.5	3086.21	3076.13	3034.53	3009.90	3019.54	2989.84	3002.93	3007.90	3024.06	3009.68
30.0	3005.13	2985.09	2960.92	2940.17	2914.23	2916.11	2927.59	2907.15	2945.45	2912.18
32.5	2906.71	2899.81	2865.27	2828.64	2804.06	2835.19	2831.19	2827.03	2826.73	2819.12
35.0	2810.22	2790.17	2764.21	2755.16	2742.47	2710.65	2693.36	2718.79	2731.91	2710.93
37.5	2704.24	2673.74	2660.01	2627.45	2616.56	2623.72	2608.98	2620.08	2626.90	2606.76
40.0	2565.93	2541.30	2533.28	2532.30	2500.47	2493.18	2484.24	2481.16	2489.20	2497.54
42.5	2477.32	2433.81	2430.93	2413.84	2406.11	2389.67	2358.72	2366.30	2373.50	2354.18
45.0	2329.73	2306.60	2295.95	2294.74	2278.99	2244.84	2234.41	2231.46	2248.04	2228.65
47.5	2193.88	2190.48	2167.68	2154.26	2140.00	2118.70	2084.80	2088.92	2100.18	2088.24
50.0	2072.43	2065.03	2045.54	2032.76	2008.52	1990.33	1952.35	1931.81	1936.16	1922.51
52.5	1955.16	1936.72	1917.91	1886.93	1877.58	1835.15	1790.97	1751.81	1756.11	1756.21
55.0	1833.27	1801.37	1794.61	1755.00	1730.52	1690.67	1630.68	1587.65	1578.40	1583.18
57.5	1700.34	1678.77	1676.20	1617.04	1576.68	1537.41	1466.32	1427.97	1400.69	1413.27
60.0	1561.92	1544.70	1518.26	1478.47	1433.73	1379.84	1300.62	1234.63	1215.65	1237.55
62.5	1426.21	1405.53	1382.16	1356.60	1301.22	1232.82	1137.17	1079.51	1061.70	1070.00
65.0	1299.18	1279.96	1257.54	1208.56	1154.78	1065.24	981.38	914.28	883.17	913.05
67.5	1163.29	1148.05	1110.34	1082.62	1008.86	927.63	832.01	758.99	741.89	766.10
70.0	1037.78	1021.65	994.02	944.58	882.72	794.54	700.22	619.85	597.05	618.64
72.5	911.93	901.69	868.44	826.44	760.32	660.45	569.41	497.33	471.22	501.42
75.0	789.20	783.61	747.94	707.38	641.84	547.63	455.25	388.51	364.58	393.69
77.5	674.14	666.04	638.89	588.78	533.99	448.77	365.56	300.06	270.52	296.98
80.0	561.53	550.26	529.57	492.75	429.02	358.46	281.19	224.76	197.70	221.36

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

82.5	456.78	445.64	430.90	395.40	346.65	288.79	215.41	161.02	137.19	161.36
85.0	350.79	349.45	345.89	314.84	276.49	221.41	160.38	113.29	94.20	113.94
87.5	273.24	269.36	265.62	243.93	217.10	172.40	119.56	78.51	64.90	76.91
90.0	204.49	205.06	197.67	185.15	160.30	128.95	90.27	51.93	37.75	51.95
92.5	150.81	153.34	149.39	140.82	123.17	98.04	64.90	32.96	24.77	33.88
95.0	115.80	116.22	113.49	103.56	89.62	73.17	46.25	23.32	19.18	24.04
97.5	91.19	88.55	85.69	77.94	66.48	52.92	32.43	17.31	14.75	17.40
100.0	70.46	70.44	65.77	60.08	51.08	39.86	23.91	14.04	12.86	13.92
102.5	59.52	59.65	55.38	48.10	40.67	30.53	18.09	11.65	12.23	12.15
105.0	51.64	49.88	44.36	37.87	31.51	22.91	13.26	9.57	9.56	10.67
107.5	43.45	41.32	35.68	32.37	22.80	16.59	11.46	8.92	9.18	9.11
110.0	37.00	34.75	31.07	24.55	17.88	12.86	8.87	8.88	7.75	8.04
112.5	32.16	29.64	24.75	18.18	14.25	9.64	7.82	7.34	6.75	7.12
115.0	26.42	23.74	19.51	14.57	10.34	6.65	6.75	5.74	6.28	6.41
117.5	21.86	20.83	15.92	11.08	7.14	5.81	4.79	5.12	5.85	5.70
120.0	17.14	15.10	11.64	8.52	5.45	4.60	3.57	3.93	3.84	4.15
122.5	14.45	11.11	8.30	6.22	3.52	3.35	3.70	3.54	4.16	3.88
125.0	10.20	8.58	6.91	4.28	2.37	1.93	2.35	2.80	2.71	2.94
127.5	8.03	6.40	4.42	2.62	1.62	1.46	1.72	2.50	2.27	2.27
130.0	5.69	4.72	2.95	1.58	0.82	0.98	1.36	1.67	1.73	1.47
132.5	4.40	2.98	2.00	0.76	0.38	0.55	1.07	1.16	1.32	0.95
135.0	2.92	2.11	0.96	0.22	0.41	0.51	0.52	0.81	0.94	0.76
137.5	1.57	1.11	0.63	0.25	0.09	0.23	0.28	0.44	0.67	0.48
140.0	1.03	0.83	0.06	0.00	0.03	0.04	0.18	0.39	0.27	0.21
142.5	0.43	0.18	0.14	0.03	0.01	0.06	0.15	0.20	0.37	0.20
145.0	0.12	0.21	0.03	0.05	0.01	0.10	0.10	0.07	0.12	0.06
147.5	0.50	0.23	0.12	0.01	0.33	0.12	0.24	0.04	0.00	0.12
150.0	0.16	0.12	0.13	0.26	0.26	0.17	0.25	0.26	0.18	0.21
152.5	0.08	0.16	0.32	0.35	0.58	0.47	0.38	0.25	0.07	0.38
155.0	0.28	0.44	0.31	0.46	0.58	0.63	0.70	0.36	0.60	0.28
157.5	0.30	0.44	0.42	0.55	0.61	0.51	1.27	0.75	0.51	0.40
160.0	0.59	0.65	0.49	0.85	0.91	0.99	0.95	0.47	0.49	0.68
162.5	0.51	0.73	0.96	0.92	0.87	0.89	0.59	0.61	1.01	1.13
165.0	0.75	0.72	0.57	0.74	0.65	0.80	0.38	1.07	0.72	0.74
167.5	0.83	1.07	0.58	0.53	1.39	1.12	1.07	1.15	1.26	0.73
170.0	0.50	0.75	0.66	0.65	1.41	0.84	0.57	0.94	1.21	0.60
172.5	1.13	1.10	2.14	1.16	0.92	0.90	0.59	0.53	0.59	1.72
175.0	1.10	0.69	0.92	0.66	0.87	0.48	0.86	1.02	0.54	0.94
177.5	0.88	0.00	1.32	1.38	0.51	0.38	1.52	0.00	0.46	0.42
180.0	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66

**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	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05
2.5	3566.83	3530.90	3565.36	3585.06	3506.95	3538.45	3567.52	3569.41	3585.88	3517.15
5.0	3519.60	3550.33	3514.21	3535.94	3478.85	3503.10	3557.38	3528.69	3560.70	3547.96
7.5	3504.79	3469.45	3495.85	3503.51	3515.54	3464.12	3500.45	3519.00	3481.02	3523.88
10.0	3477.48	3460.48	3436.01	3465.36	3464.43	3498.23	3464.68	3420.86	3465.72	3445.41
12.5	3435.06	3430.09	3402.13	3439.82	3417.82	3446.07	3449.71	3475.54	3410.70	3455.82
15.0	3353.41	3401.35	3396.60	3372.20	3400.45	3388.05	3418.28	3400.88	3382.76	3386.56
17.5	3309.71	3317.26	3324.95	3332.89	3352.34	3364.37	3371.72	3361.63	3356.57	3339.08
20.0	3244.35	3249.99	3243.92	3256.62	3307.96	3314.59	3311.32	3338.75	3325.89	3305.73
22.5	3183.82	3165.79	3175.91	3181.29	3220.39	3254.01	3252.73	3255.87	3243.49	3225.14
25.0	3092.39	3108.73	3088.80	3133.73	3114.15	3176.29	3185.32	3146.47	3199.28	3151.28
27.5	3006.62	3009.83	3039.90	3037.18	3055.78	3097.66	3094.81	3100.47	3093.21	3072.59

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

30.0	2912.18	2936.81	2934.40	2946.64	2962.59	3001.02	2992.34	2993.12	3005.26	3016.82
32.5	2830.26	2820.22	2823.60	2840.28	2868.19	2894.70	2911.02	2922.85	2904.48	2888.64
35.0	2716.45	2718.25	2733.20	2746.17	2758.32	2789.14	2824.04	2836.12	2818.70	2794.91
37.5	2604.41	2608.12	2608.29	2623.60	2645.46	2676.08	2703.50	2708.85	2702.77	2686.95
40.0	2484.62	2486.03	2501.10	2521.10	2537.44	2566.35	2575.48	2599.97	2587.57	2573.33
42.5	2372.61	2373.26	2376.54	2403.27	2428.68	2453.09	2460.79	2472.92	2456.47	2434.01
45.0	2233.15	2253.52	2264.15	2292.27	2301.84	2321.04	2323.91	2342.37	2330.10	2322.14
47.5	2102.38	2126.61	2132.52	2165.51	2178.96	2199.72	2197.04	2214.98	2209.51	2189.95
50.0	1946.92	1977.81	2010.90	2044.03	2052.11	2062.40	2047.99	2080.87	2085.39	2072.69
52.5	1781.90	1827.02	1877.29	1902.06	1923.26	1946.78	1951.19	1959.72	1963.68	1945.56
55.0	1633.40	1682.89	1732.00	1767.20	1803.64	1812.40	1833.66	1825.90	1827.80	1810.67
57.5	1465.41	1538.58	1591.08	1622.84	1662.51	1686.41	1681.91	1698.25	1701.74	1682.65
60.0	1301.29	1371.59	1444.00	1468.77	1529.64	1537.20	1550.58	1556.81	1564.62	1541.87
62.5	1136.01	1229.92	1296.20	1348.23	1387.32	1405.63	1431.62	1428.37	1423.26	1403.15
65.0	981.60	1071.13	1160.93	1214.07	1252.94	1271.00	1288.60	1296.35	1291.37	1272.76
67.5	828.76	923.28	1015.62	1075.78	1116.41	1135.52	1165.52	1167.32	1154.66	1147.29
70.0	697.69	794.77	883.36	946.66	991.95	1017.00	1033.52	1040.56	1040.83	1019.05
72.5	576.20	664.25	755.75	821.62	864.12	901.61	917.00	913.40	920.07	895.46
75.0	457.64	551.83	637.27	702.72	746.22	778.96	793.44	792.65	801.22	769.00
77.5	360.25	447.95	531.89	598.84	641.18	663.27	674.40	676.41	677.91	660.25
80.0	275.43	361.92	435.12	497.43	536.03	551.32	559.48	566.49	564.86	546.04
82.5	207.92	285.47	350.86	402.65	430.73	451.27	454.15	455.94	459.34	443.25
85.0	162.58	223.40	276.18	315.74	344.39	355.92	351.69	353.75	356.25	352.82
87.5	119.48	172.48	212.23	240.13	259.64	273.12	274.05	272.05	278.47	267.64
90.0	89.15	128.85	161.50	183.27	199.76	200.79	203.33	203.66	203.12	202.17
92.5	64.32	95.97	121.79	139.45	146.36	149.56	152.95	152.83	153.07	153.16
95.0	45.02	70.97	89.99	104.86	113.23	114.27	116.32	118.04	116.32	115.76
97.5	33.34	50.74	68.12	78.49	87.05	89.42	90.43	87.05	87.99	89.73
100.0	22.79	38.80	51.60	62.33	68.74	72.80	71.47	71.58	74.65	70.01
102.5	17.23	29.15	39.13	49.89	55.70	59.04	62.05	58.99	58.46	59.15
105.0	13.53	21.99	31.59	39.06	44.50	47.62	50.05	50.39	48.90	47.78
107.5	10.33	16.15	24.67	31.19	37.40	40.33	42.88	43.54	41.84	40.41
110.0	9.30	12.92	17.57	23.70	30.30	34.70	38.39	37.42	36.12	34.95
112.5	7.32	9.25	13.34	19.84	24.51	29.92	31.85	31.48	30.61	29.87
115.0	6.12	7.48	9.52	14.03	18.34	24.08	25.47	26.11	26.56	23.62
117.5	5.20	5.17	7.61	10.68	16.00	18.64	22.19	22.38	22.00	18.69
120.0	4.07	4.68	5.92	8.13	12.63	15.45	17.71	19.49	18.24	14.72
122.5	3.40	3.35	3.76	6.41	9.33	11.38	14.04	13.43	13.79	11.71
125.0	2.28	2.16	2.56	4.49	7.10	8.52	10.49	10.95	10.87	9.21
127.5	2.23	1.45	1.84	2.65	4.51	6.53	7.80	7.98	7.48	6.37
130.0	1.41	1.26	0.98	2.01	3.34	4.77	5.59	6.52	5.82	4.50
132.5	1.42	1.15	0.53	1.14	1.34	2.78	3.51	3.94	3.93	3.24
135.0	0.65	0.40	0.28	0.25	1.42	2.09	2.45	3.23	2.60	1.85
137.5	0.46	0.21	0.16	0.07	0.64	1.34	1.53	1.68	1.95	1.18
140.0	0.28	0.05	0.12	0.06	0.42	0.64	0.79	0.84	0.62	0.48
142.5	0.03	0.00	0.01	0.01	0.20	0.20	0.36	0.45	0.41	0.08
145.0	0.00	0.05	0.12	0.07	0.17	0.20	0.10	0.18	0.15	0.13
147.5	0.17	0.21	0.21	0.10	0.19	0.20	0.23	0.10	0.18	0.05
150.0	0.34	0.25	0.24	0.25	0.15	0.13	0.18	0.21	0.06	0.01
152.5	0.40	0.54	0.36	0.31	0.33	0.08	0.06	0.06	0.13	0.18
155.0	0.36	0.17	0.27	0.54	0.34	0.34	0.24	0.16	0.36	0.21
157.5	0.83	0.83	0.38	0.57	0.46	0.24	0.51	0.22	0.40	0.27
160.0	0.63	1.05	0.72	0.73	0.72	0.65	0.51	0.50	0.71	0.62
162.5	0.80	0.75	1.00	0.90	0.90	0.55	0.62	0.84	0.42	0.56
165.0	0.79	0.56	0.76	0.75	0.63	0.53	1.06	0.81	0.64	0.82
167.5	1.36	1.06	0.94	0.45	0.73	0.38	0.80	0.46	0.63	0.74

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	1.13	0.93	0.61	0.48	0.75	0.92	0.77	0.72	0.86	0.46
<b>172.5</b>	0.98	1.44	0.21	0.14	1.36	0.74	0.94	0.84	0.73	1.66
<b>175.0</b>	0.25	1.60	0.47	0.69	1.99	0.71	1.18	0.38	0.74	0.50
<b>177.5</b>	0.46	0.00	0.43	1.07	0.00	0.88	1.79	1.84	0.51	0.51
<b>180.0</b>	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66

**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>	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05	3542.05
<b>2.5</b>	3562.02	3554.37	3523.93	3453.67	3522.23	3559.82	3504.30
<b>5.0</b>	3563.87	3554.91	3522.73	3533.55	3528.81	3552.54	3551.61
<b>7.5</b>	3439.31	3509.60	3457.98	3506.38	3505.42	3458.86	3483.68
<b>10.0</b>	3469.48	3448.83	3447.83	3471.98	3471.87	3446.83	3482.84
<b>12.5</b>	3434.45	3384.69	3432.08	3404.39	3441.49	3449.42	3430.30
<b>15.0</b>	3387.37	3340.86	3337.58	3355.31	3346.34	3348.56	3353.61
<b>17.5</b>	3319.23	3319.38	3274.79	3320.38	3301.30	3327.74	3310.08
<b>20.0</b>	3266.22	3242.23	3248.94	3232.99	3223.55	3251.14	3253.91
<b>22.5</b>	3209.46	3200.20	3197.69	3146.47	3168.89	3183.69	3186.42
<b>25.0</b>	3146.82	3107.10	3075.71	3063.43	3102.81	3101.83	3118.05
<b>27.5</b>	3038.29	3059.06	3028.25	2994.55	3018.91	3008.12	3004.05
<b>30.0</b>	2961.97	2936.80	2914.97	2905.01	2920.80	2926.68	2928.74
<b>32.5</b>	2865.25	2827.05	2829.89	2813.98	2817.55	2832.62	2828.57
<b>35.0</b>	2768.95	2751.61	2739.53	2725.44	2704.44	2718.21	2747.29
<b>37.5</b>	2669.07	2661.80	2627.18	2621.88	2611.43	2610.89	2619.41
<b>40.0</b>	2547.76	2542.95	2506.77	2504.27	2492.56	2497.94	2511.26
<b>42.5</b>	2432.83	2426.23	2402.38	2377.24	2363.74	2361.75	2376.97
<b>45.0</b>	2308.53	2299.68	2273.49	2255.69	2228.05	2235.62	2231.68
<b>47.5</b>	2174.94	2168.66	2140.82	2104.69	2092.56	2093.10	2090.27
<b>50.0</b>	2060.89	2036.28	2011.30	1996.83	1936.66	1920.17	1915.58
<b>52.5</b>	1936.02	1898.04	1874.20	1841.98	1803.28	1762.32	1750.47
<b>55.0</b>	1786.27	1770.36	1722.67	1685.92	1631.25	1593.15	1571.58
<b>57.5</b>	1656.17	1627.35	1584.65	1528.11	1462.25	1411.51	1396.02
<b>60.0</b>	1513.50	1495.82	1436.55	1382.57	1293.89	1245.34	1220.44
<b>62.5</b>	1389.66	1351.11	1293.88	1225.15	1134.75	1081.20	1059.41
<b>65.0</b>	1253.03	1218.99	1162.34	1070.09	973.06	910.21	889.15
<b>67.5</b>	1128.62	1078.98	1012.57	927.06	834.40	756.71	725.53
<b>70.0</b>	989.86	949.06	882.73	794.28	698.22	622.72	588.97
<b>72.5</b>	870.83	821.19	759.91	668.00	575.03	485.81	472.54
<b>75.0</b>	743.65	704.30	632.54	551.23	461.70	391.10	365.07
<b>77.5</b>	635.33	590.56	530.90	448.80	364.08	295.54	269.78
<b>80.0</b>	527.91	493.65	433.68	360.14	282.57	215.95	200.27
<b>82.5</b>	429.42	398.36	349.18	287.08	216.13	159.92	135.77
<b>85.0</b>	338.21	311.28	278.34	225.14	159.12	111.76	94.62
<b>87.5</b>	258.07	243.49	216.68	174.14	121.67	79.34	65.05
<b>90.0</b>	198.56	180.29	161.36	131.46	88.63	51.62	36.51
<b>92.5</b>	145.84	137.56	122.33	97.38	65.29	33.53	25.54
<b>95.0</b>	111.42	103.52	91.72	69.50	44.51	24.03	17.92
<b>97.5</b>	85.95	77.24	68.72	51.50	32.64	16.33	14.63
<b>100.0</b>	69.97	61.53	53.03	39.43	23.95	13.81	12.18
<b>102.5</b>	53.61	47.33	40.62	29.51	17.92	12.77	11.27
<b>105.0</b>	45.64	39.74	30.59	21.61	13.52	10.07	10.28
<b>107.5</b>	37.20	30.05	23.25	16.78	11.58	8.94	9.80
<b>110.0</b>	30.66	24.74	18.10	13.22	9.25	8.21	8.07
<b>112.5</b>	24.37	19.20	13.39	9.10	7.48	7.42	6.81
<b>115.0</b>	19.24	13.75	10.57	7.03	6.29	6.41	6.13

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-277V\_S.IES**

**CANDELA TABULATION - (Cont.)**

117.5	15.33	10.78	6.90	5.04	4.94	5.72	5.21
120.0	11.38	8.87	4.95	3.65	4.28	4.47	4.72
122.5	8.69	6.29	3.05	3.45	3.39	3.40	3.76
125.0	6.53	4.22	2.50	1.96	2.78	2.33	3.13
127.5	3.90	2.70	1.54	1.94	1.72	2.05	1.92
130.0	3.01	2.09	1.09	1.22	1.65	1.37	1.49
132.5	2.02	0.92	0.37	0.70	0.86	0.94	1.28
135.0	1.23	0.27	0.22	0.36	0.44	0.52	0.75
137.5	0.50	0.17	0.12	0.22	0.42	0.47	0.75
140.0	0.15	0.12	0.08	0.20	0.12	0.30	0.34
142.5	0.07	0.07	0.11	0.08	0.07	0.19	0.18
145.0	0.03	0.01	0.08	0.10	0.01	0.14	0.06
147.5	0.05	0.08	0.23	0.31	0.15	0.16	0.04
150.0	0.17	0.26	0.17	0.32	0.31	0.24	0.09
152.5	0.58	0.42	0.28	0.31	0.19	0.25	0.09
155.0	0.54	0.46	0.64	0.61	0.42	0.40	0.81
157.5	0.32	0.45	1.06	0.56	0.70	0.35	0.63
160.0	0.36	0.73	0.70	0.78	0.58	0.42	0.75
162.5	0.94	0.74	0.68	0.62	0.59	1.02	0.67
165.0	0.39	0.75	1.02	1.21	1.23	0.53	0.96
167.5	0.91	1.08	0.76	0.81	0.62	0.70	1.26
170.0	1.73	0.61	0.81	0.24	1.01	0.50	0.96
172.5	1.44	0.48	0.75	0.46	1.26	0.68	1.17
175.0	0.74	0.82	1.40	0.24	0.65	0.15	0.90
177.5	0.92	0.93	0.49	1.14	0.86	1.82	0.32
180.0	0.66	0.66	0.66	0.66	0.66	0.66	0.66



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-277V\_S.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1288.31	N.A.	12.90
0-30	2727.56	N.A.	27.30
0-40	4449.19	N.A.	44.50
0-60	7748.37	N.A.	77.50
0-80	9546.59	N.A.	95.50
0-90	9842.48	N.A.	98.50
10-90	9508.04	N.A.	95.10
20-40	3160.89	N.A.	31.60
20-50	4918.63	N.A.	49.20
40-70	4428.79	N.A.	44.30
60-80	1798.22	N.A.	18.00
70-80	668.61	N.A.	6.70
80-90	295.88	N.A.	3.00
90-110	132.57	N.A.	1.30
90-120	147.44	N.A.	1.50
90-130	152.42	N.A.	1.50
90-150	153.53	N.A.	1.50
90-180	154.02	N.A.	1.50
110-180	21.45	N.A.	0.20
0-180	9996.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	334.44
10-20	953.87
20-30	1439.25
30-40	1721.64
40-50	1757.75
50-60	1541.43
60-70	1129.61
70-80	668.61
80-90	295.88
90-100	97.08
100-110	35.49
110-120	14.88
120-130	4.98
130-140	1.00
140-150	0.11
150-160	0.18
160-170	0.22
170-180	0.08

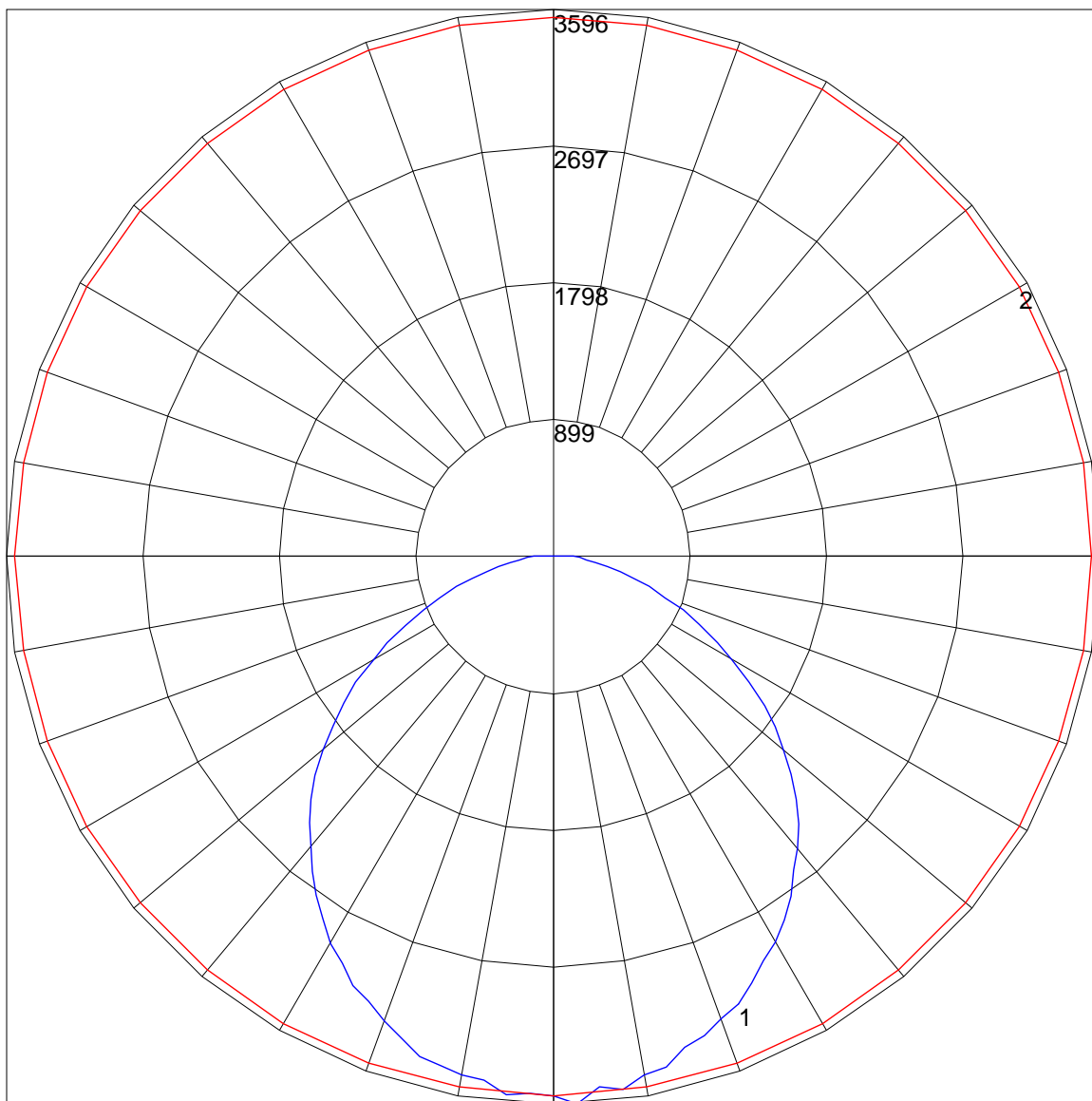
IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : BS100LEDX4HTLOWT30120V-277V\_S.IES

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	36	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 = 3596.42 Located At Horizontal Angle = 30, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (30 - 210) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)