



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Tue Nov 29 13:29:35 2016

[MANUFAC] BEGHELLI

[LUMINAIRE] BX910LED-4-AMBER-120-277V

[LAMP] LED 0.805W Amber XP-E (350mA) (core only) EQ TO OSRAN GY DASPA 1.23

[LAMPCAT] XPEAMB-I1-0000-00901

[OTHER] Indoor Photometric Report

[OTHER] LUMINAIRE PROPERTIES

[OTHER] Number of lamps: 90

[OTHER] Lumens per lamp: 21.7

[OTHER] Input watts: 30

[OTHER] Distribution: Direct

[OTHER] Symmetry: None

[OTHER] Photometric Type: C

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1491
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	30
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.56
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.96 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.30 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4274	2984	2549
55	3219	1760	1119
65	1891	726	386
75	1050	273	132
85	616	59	32

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0.0	557.48	557.48	557.48	557.48	557.48	557.48	557.48	557.48	557.48	557.48
2.5	564.87	553.59	546.40	557.60	538.74	553.88	526.46	542.97	541.16	520.51
5.0	541.78	537.09	534.44	538.19	524.02	532.29	529.56	535.82	522.25	527.51
7.5	523.79	522.13	529.40	522.92	522.84	521.75	523.09	525.36	529.72	521.40
10.0	522.50	520.82	520.96	527.28	527.26	532.73	532.82	531.60	534.28	527.20
12.5	522.53	524.47	524.08	525.29	531.14	535.15	538.63	535.16	536.30	530.82
15.0	524.81	522.12	526.80	530.54	540.37	542.99	542.35	539.72	544.69	545.72
17.5	526.46	528.68	536.35	541.34	550.16	555.82	548.93	555.87	549.89	560.63
20.0	524.58	530.43	541.81	546.58	551.73	561.76	562.69	561.01	571.28	573.77
22.5	530.68	530.95	542.12	548.82	558.08	564.36	567.20	572.34	578.70	577.44
25.0	532.50	533.38	539.69	548.67	557.70	564.52	574.36	573.01	584.59	586.29
27.5	528.31	526.16	536.53	548.01	556.54	564.52	575.85	583.47	594.98	592.76
30.0	521.46	524.75	530.76	543.95	553.61	562.25	574.28	584.56	592.47	592.90
32.5	510.70	517.28	527.13	535.68	547.08	557.99	573.13	580.77	594.39	594.77
35.0	504.04	508.78	514.16	527.85	539.18	546.86	567.86	583.24	584.91	585.86
37.5	486.57	491.24	501.86	511.07	525.18	538.42	551.50	562.63	571.89	569.63
40.0	470.62	478.46	486.98	495.34	509.83	520.53	533.18	538.56	539.14	538.80
42.5	452.49	455.47	466.11	473.82	484.42	495.80	497.34	502.28	497.71	491.65
45.0	424.17	428.29	435.33	444.65	451.29	456.12	455.31	444.78	435.03	433.09
47.5	389.85	397.09	400.55	406.41	412.14	408.67	398.69	383.80	372.85	362.80
50.0	350.96	359.25	363.31	370.01	365.36	353.67	337.98	314.76	303.50	300.35
52.5	310.36	312.78	319.43	321.80	312.61	298.92	276.17	256.56	244.33	238.26
55.0	266.86	271.68	272.46	271.90	263.72	243.43	219.55	203.50	192.39	184.37
57.5	223.09	227.69	229.34	228.31	215.59	193.26	174.24	156.52	145.38	141.00
60.0	185.27	187.63	187.19	184.21	169.61	152.27	133.12	119.78	110.29	107.42
62.5	150.99	151.12	151.85	147.79	133.95	116.77	101.95	89.70	82.58	80.93
65.0	121.12	121.34	121.07	114.53	102.73	88.46	76.18	67.07	60.38	59.66
67.5	94.98	96.30	95.39	89.46	79.86	68.37	57.38	49.07	45.05	42.93
70.0	74.55	74.99	73.64	68.67	58.76	50.20	41.95	36.42	32.45	31.23
72.5	58.41	57.81	57.19	52.37	45.56	39.00	31.79	27.06	24.89	23.83
75.0	45.40	44.84	43.63	39.64	34.46	28.65	23.68	20.92	19.19	18.46
77.5	35.46	34.99	33.53	30.07	25.50	21.36	18.54	15.98	14.81	14.59
80.0	27.21	27.19	24.56	22.51	19.03	15.99	13.67	11.80	11.09	10.71
82.5	20.04	19.72	17.67	15.25	13.01	10.40	8.49	8.04	7.52	7.53
85.0	13.02	12.31	10.29	8.26	6.31	5.02	4.26	4.04	3.68	3.84
87.5	5.94	4.87	3.13	1.91	1.38	1.45	1.47	1.47	1.45	1.70
90.0	0.33	0.14	0.11	0.12	0.11	0.08	0.10	0.08	0.04	0.08
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

CANDELA TABULATION - (Cont.)

135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	100	110	120	130	140	150	160	170	180	190
0.0	557.48	557.48	557.48	557.48	557.48	557.48	557.48	557.48	557.48	557.48
2.5	545.86	546.13	554.14	548.44	552.45	549.64	541.91	554.06	548.79	548.70
5.0	524.81	528.75	522.74	523.47	525.45	534.99	527.85	532.95	547.29	527.69
7.5	526.61	525.90	528.05	523.33	525.45	518.40	519.09	518.36	512.89	520.17
10.0	526.69	532.92	524.08	516.92	517.84	521.16	520.56	521.68	517.15	510.42
12.5	535.05	534.75	531.21	527.31	524.56	521.89	510.60	513.63	517.26	509.65
15.0	544.37	539.92	540.32	538.79	532.23	520.97	523.66	520.77	516.90	518.99
17.5	554.98	553.54	547.60	542.39	537.35	535.67	525.63	527.32	523.56	524.06
20.0	564.99	561.16	556.59	550.02	548.57	542.78	536.57	526.68	524.36	528.61
22.5	573.34	570.85	565.23	555.82	553.00	546.81	536.26	532.92	529.25	528.79
25.0	581.14	576.48	567.81	559.61	557.82	543.13	537.18	530.40	523.44	528.31
27.5	586.92	582.42	569.30	560.50	550.38	547.08	535.33	528.91	520.01	525.98
30.0	591.36	581.77	572.23	557.78	550.41	542.26	532.21	521.69	520.73	524.71
32.5	590.62	578.66	567.72	552.98	547.71	534.51	523.93	517.32	510.27	517.39
35.0	582.17	574.80	562.17	548.82	537.64	529.82	517.05	509.27	501.35	508.37
37.5	562.78	557.45	551.69	540.64	527.34	515.56	502.55	493.31	490.80	497.40
40.0	539.13	537.97	526.29	522.13	511.72	498.63	492.35	476.65	474.46	479.86
42.5	494.95	501.52	496.81	494.73	487.04	478.15	467.16	457.87	455.59	461.77
45.0	432.29	446.59	457.18	458.61	455.42	449.38	442.37	433.81	424.52	433.51
47.5	369.52	379.54	395.94	409.68	416.23	415.76	408.25	399.99	396.09	400.67
50.0	302.74	316.52	336.87	355.49	368.38	368.95	366.30	359.96	354.59	360.84
52.5	243.37	255.37	277.18	296.55	315.43	322.13	322.05	318.69	313.57	319.38
55.0	189.65	202.44	221.21	244.26	265.14	274.47	277.69	272.09	269.37	272.54
57.5	145.36	156.85	173.20	195.79	217.79	228.40	232.44	231.20	227.87	231.54
60.0	109.57	120.05	133.90	152.26	173.04	187.31	191.64	189.03	187.19	188.99
62.5	81.78	90.39	101.57	117.75	133.96	149.17	154.95	154.76	152.75	153.25
65.0	61.07	66.61	76.78	89.59	103.28	116.32	123.53	120.93	121.73	123.10
67.5	43.65	49.43	56.84	67.76	79.09	90.78	96.15	96.34	96.37	96.73
70.0	32.78	37.16	41.84	51.04	60.38	69.42	74.52	76.11	75.51	75.54
72.5	24.58	27.51	32.23	37.65	44.91	52.42	57.80	58.41	59.52	58.26
75.0	19.26	20.85	24.20	28.67	34.21	40.18	43.71	46.18	44.86	45.00
77.5	14.74	16.32	18.56	22.11	25.45	29.73	33.69	35.04	35.73	35.02
80.0	10.84	11.76	13.38	15.65	19.42	22.26	25.71	27.31	27.47	26.93

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

CANDELA TABULATION - (Cont.)

82.5	7.57	8.12	9.08	10.31	12.70	15.71	18.35	20.01	20.02	19.56
85.0	3.66	3.98	4.38	4.90	6.10	8.38	10.61	12.40	13.10	12.83
87.5	1.47	1.50	1.36	1.34	1.48	1.97	3.11	4.90	5.89	4.76
90.0	0.04	0.07	0.09	0.13	0.10	0.11	0.11	0.16	0.37	0.14
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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	557.48	557.48	557.48	557.48	557.48	557.48	557.48	557.48	557.48	557.48
2.5	554.32	539.54	545.64	528.50	530.63	542.75	539.10	548.96	545.01	527.60
5.0	535.35	539.01	534.20	530.92	525.66	515.56	530.61	525.53	522.99	521.70
7.5	525.45	521.83	526.68	524.16	518.19	519.77	529.27	528.02	526.91	524.13
10.0	520.02	519.27	518.32	522.36	527.10	532.34	526.79	526.93	527.03	529.95
12.5	523.12	528.11	521.92	523.88	527.24	538.08	534.05	538.00	536.16	538.37
15.0	526.50	528.91	536.33	534.83	538.88	537.97	545.29	544.19	546.70	542.90
17.5	524.30	533.90	543.79	544.36	548.05	547.25	550.98	551.49	555.02	555.03
20.0	533.22	538.28	546.65	552.55	559.32	558.46	563.36	565.59	562.75	567.61
22.5	535.22	543.42	549.66	557.33	560.14	571.36	573.21	574.29	573.92	573.88
25.0	538.50	548.87	551.93	555.79	564.61	568.93	575.84	582.31	581.21	576.76
27.5	535.48	543.89	548.29	553.32	563.37	574.18	583.25	586.28	583.43	582.59

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

CANDELA TABULATION - (Cont.)

30.0	532.15	538.64	545.67	553.49	563.85	573.20	586.37	593.29	591.79	582.16
32.5	524.37	536.62	547.21	551.63	566.09	572.29	584.61	588.50	584.97	581.22
35.0	515.78	528.63	534.26	543.30	558.21	569.85	574.15	579.82	579.03	572.99
37.5	502.68	514.41	523.58	531.11	545.22	550.83	558.71	562.48	564.64	557.57
40.0	488.11	496.42	507.08	516.72	524.01	525.73	528.65	532.04	534.66	537.64
42.5	466.90	474.65	483.90	492.95	492.45	489.13	487.13	486.15	492.87	494.07
45.0	444.30	448.60	448.52	451.78	449.73	442.26	430.10	426.89	430.15	440.85
47.5	407.11	409.97	413.65	405.47	391.51	377.23	362.92	358.91	367.06	378.37
50.0	366.92	367.64	364.74	349.70	328.47	310.58	298.14	290.50	299.01	311.65
52.5	321.08	320.87	313.58	295.05	271.81	252.50	238.50	233.20	239.46	253.92
55.0	274.38	272.63	263.64	241.60	219.51	198.24	186.01	180.44	185.60	197.55
57.5	230.81	226.83	213.92	192.38	170.94	152.63	142.52	139.26	143.01	152.99
60.0	189.26	184.82	169.04	150.71	132.24	117.21	107.59	104.64	107.99	117.58
62.5	154.62	147.30	133.08	114.95	99.85	87.12	79.88	77.80	81.21	88.16
65.0	122.13	114.69	102.96	87.88	74.16	66.33	59.77	56.56	59.33	65.53
67.5	95.77	88.70	79.40	66.67	56.70	48.35	43.84	41.96	43.80	48.32
70.0	75.04	68.84	59.80	49.84	41.98	35.83	32.31	31.23	32.09	35.82
72.5	56.81	52.16	45.00	37.76	31.46	26.50	24.32	23.57	24.42	26.79
75.0	43.42	40.03	33.72	28.46	23.32	20.93	18.80	18.36	18.79	20.93
77.5	33.06	29.85	24.90	21.56	17.94	15.79	14.77	14.35	14.98	15.93
80.0	25.05	22.03	18.98	15.87	13.74	11.55	10.48	10.80	10.77	11.70
82.5	17.92	15.46	12.57	9.80	8.83	7.98	7.48	7.72	7.63	7.96
85.0	10.90	8.40	6.10	4.91	4.22	4.00	3.64	3.60	3.68	3.79
87.5	2.99	1.80	1.39	1.30	1.28	1.29	1.36	1.47	1.37	1.24
90.0	0.08	0.09	0.10	0.10	0.07	0.06	0.04	0.04	0.04	0.05
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

CANDELA TABULATION - (Cont.)

170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	300	310	320	330	340	350	360
0.0	557.48	557.48	557.48	557.48	557.48	557.48	557.48
2.5	551.97	550.81	553.54	534.78	557.37	558.26	564.87
5.0	530.17	524.74	526.17	534.43	528.72	544.82	541.78
7.5	523.93	518.41	524.31	528.13	527.12	521.99	523.79
10.0	528.80	527.30	528.60	521.14	521.34	520.32	522.50
12.5	530.61	533.00	527.51	528.43	520.71	526.89	522.53
15.0	548.01	539.82	538.71	535.00	532.17	528.23	524.82
17.5	549.83	549.70	547.61	539.28	531.36	533.04	526.46
20.0	563.07	556.34	553.05	545.18	541.68	532.19	524.58
22.5	565.22	562.69	556.82	551.29	540.28	533.06	530.68
25.0	567.63	562.14	554.79	551.23	542.08	527.15	532.50
27.5	572.16	564.55	553.67	548.28	538.65	532.93	528.32
30.0	568.19	558.66	548.67	546.20	532.47	521.99	521.46
32.5	564.90	555.27	542.27	533.69	524.77	517.20	510.70
35.0	564.67	544.08	535.03	526.86	516.37	509.24	504.04
37.5	543.41	536.83	523.07	512.16	500.69	492.53	486.57
40.0	522.66	519.07	504.36	491.33	484.66	477.94	470.62
42.5	493.80	486.59	479.53	470.92	467.45	455.32	452.49
45.0	447.98	452.55	449.97	444.46	436.74	430.01	424.17
47.5	393.27	404.74	407.60	407.08	401.96	396.57	389.86
50.0	331.68	350.53	360.90	364.38	362.51	356.51	350.96
52.5	271.85	293.08	311.12	317.79	317.19	313.30	310.36
55.0	218.20	239.62	261.13	268.74	273.33	271.11	266.86
57.5	170.45	191.70	211.76	226.89	228.65	224.53	223.09
60.0	131.55	149.70	168.82	182.32	187.21	186.38	185.27
62.5	98.78	115.30	132.77	145.61	151.34	150.74	150.99
65.0	74.18	86.59	101.13	114.03	120.61	120.52	121.12
67.5	55.72	66.31	78.67	88.65	94.71	95.62	94.98
70.0	40.98	50.31	59.43	67.94	73.28	75.39	74.55
72.5	31.21	37.20	44.82	50.54	56.52	58.00	58.41
75.0	24.28	28.45	33.52	39.42	43.56	44.71	45.40
77.5	17.77	21.58	25.46	30.43	32.82	35.44	35.46
80.0	13.44	15.65	18.93	21.84	25.16	27.23	27.21
82.5	8.57	10.17	12.72	14.91	17.86	19.35	20.04
85.0	4.29	4.96	6.13	8.44	10.53	12.17	13.02
87.5	1.34	1.34	1.36	1.87	2.95	4.92	5.94
90.0	0.05	0.07	0.12	0.10	0.09	0.13	0.33
92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

CANDELA TABULATION - (Cont.)

117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	202.77	N.A.	13.60
0-30	460.07	N.A.	30.90
0-40	798.48	N.A.	53.60
0-60	1350.86	N.A.	90.60
0-80	1482.57	N.A.	99.40
0-90	1491.03	N.A.	100.00
10-90	1440.5	N.A.	96.60
20-40	595.70	N.A.	40.00
20-50	931.62	N.A.	62.50
40-70	648.71	N.A.	43.50
60-80	131.71	N.A.	8.80
70-80	35.38	N.A.	2.40
80-90	8.46	N.A.	0.60
90-110	0.01	N.A.	0.00
90-120	0.01	N.A.	0.00
90-130	0.01	N.A.	0.00
90-150	0.01	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1491.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.52
10-20	152.25
20-30	257.29
30-40	338.41
40-50	335.92
50-60	216.46
60-70	96.33
70-80	35.38
80-90	8.46
90-100	0.01
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

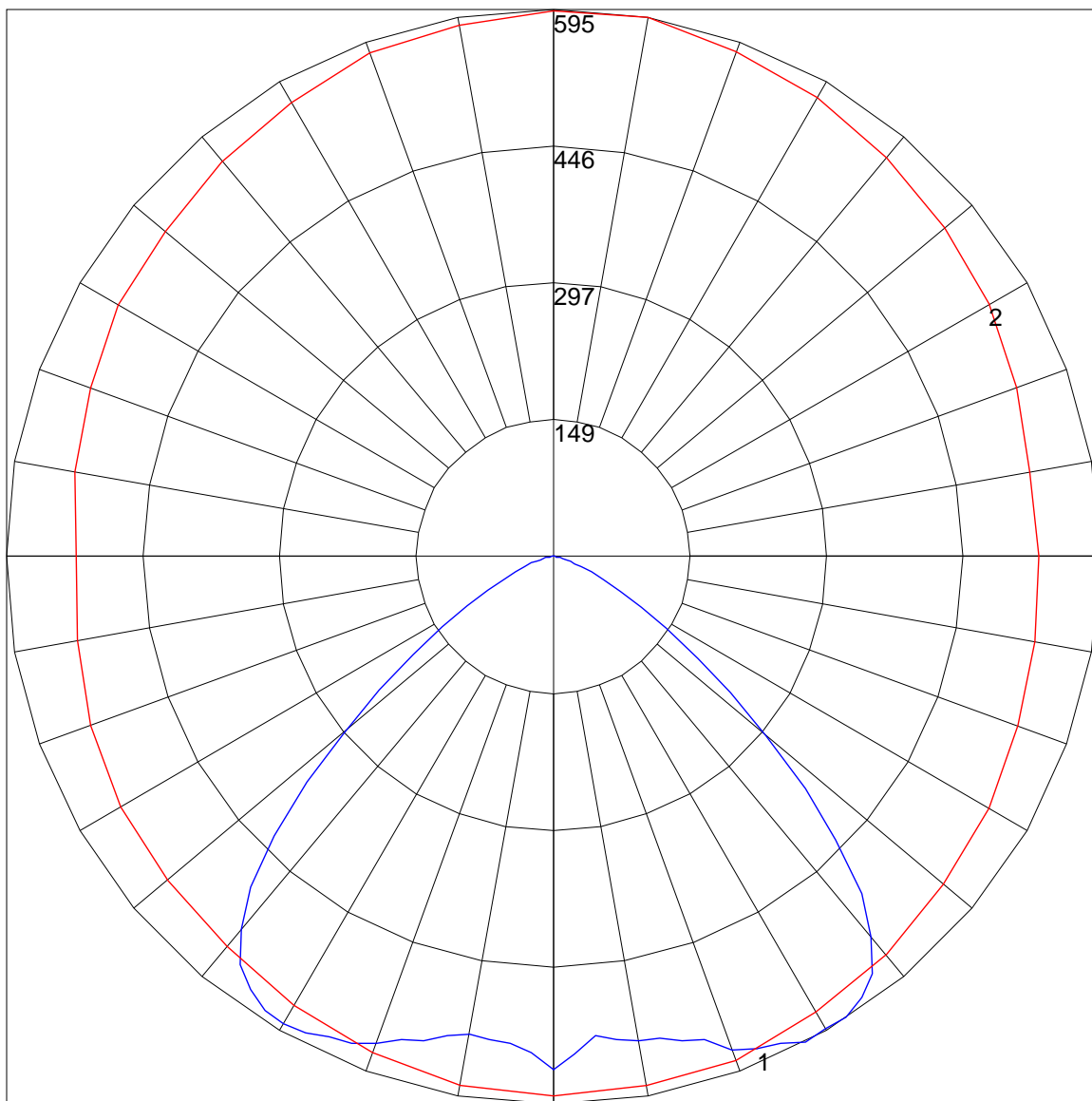
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDA4HT120-277V_S.IES

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	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	89	88
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	63	59	57
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	44
7	68	56	47	41	67	55	47	41	53	46	41	52	45	41	51	45	40	39
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	34
9	59	46	39	33	58	46	38	33	45	38	33	44	37	33	43	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	39	34	30	28

POLAR GRAPH



Maximum Candela = 594.98 Located At Horizontal Angle = 80, Vertical Angle = 27.5

1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)