



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BX910LEDECO4SAWT40120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2020.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Tue May 25 14:28:28 2021

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BX910LEDECO4SAWT40120-277V_S

[LAMP] LED 0.72W LUXEON 3030 2D Line (120mA)

[LAMPCAT] L130-3580003000X21

[OTHER]

CHARACTERISTICS

Lumens Per Lamp	33.9 (144 lamps)
Total Lamp Lumens	4881.6
Luminaire Lumens	1417
Total Luminaire Efficiency	29 %
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.96 ft
Luminous Width (90-270)	0.35 ft
Luminous Height	0.29 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3893	2569	2305
55	3030	1766	1548
65	1675	827	706
75	709	270	224
85	132	30	24

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX910LEDECO4SAWT40120-277V_S.IES

CANDELA TABULATION

	0
0.0	569.966
2.5	581.437
5.0	569.438
7.5	570.920
10.0	567.696
12.5	568.158
15.0	566.759
17.5	560.541
20.0	552.882
22.5	540.936
25.0	529.290
27.5	516.071
30.0	502.874
32.5	486.823
35.0	468.848
37.5	450.566
40.0	432.043
42.5	410.612
45.0	385.433
47.5	359.360
50.0	326.350
52.5	288.743
55.0	250.355
57.5	209.768
60.0	170.897
62.5	135.996
65.0	106.765
67.5	81.635
70.0	61.459
72.5	44.065
75.0	30.436
77.5	19.889
80.0	11.807
82.5	6.402
85.0	2.756
87.5	0.700
90.0	0.043
92.5	0.000
95.0	0.000
97.5	0.000
100.0	0.000
102.5	0.000
105.0	0.000
107.5	0.000
110.0	0.000
112.5	0.000
115.0	0.000
117.5	0.000
120.0	0.000
122.5	0.000
125.0	0.000
127.5	0.000
130.0	0.000
132.5	0.000

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BX910LEDECO4SAWT40120-277V_S.IES

CANDELA TABULATION - (Cont.)

135.0	0.000
137.5	0.000
140.0	0.000
142.5	0.000
145.0	0.000
147.5	0.000
150.0	0.000
152.5	0.000
155.0	0.000
157.5	0.000
160.0	0.000
162.5	0.000
165.0	0.000
167.5	0.000
170.0	0.000
172.5	0.000
175.0	0.000
177.5	0.000
180.0	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : BX910LEDECO4SAWT40120-277V_S.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	214.16	4.40	15.10
0-30	458.13	9.40	32.30
0-40	751.52	15.40	53.00
0-60	1269.92	26.00	89.60
0-80	1413.02	28.90	99.70
0-90	1417.31	29.00	100.00
10-90	1362.79	27.90	96.20
20-40	537.36	11.00	37.90
20-50	833.37	17.10	58.80
40-70	627.04	12.80	44.20
60-80	143.10	2.90	10.10
70-80	34.46	0.70	2.40
80-90	4.29	0.10	0.30
90-110	0.01	0.00	0.00
90-120	0.01	0.00	0.00
90-130	0.01	0.00	0.00
90-150	0.01	0.00	0.00
90-180	0.01	0.00	0.00
110-180	0.00	0.00	0.00
0-180	1417.31	29.00	100.00

Total Luminaire Efficiency = 29.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.52
10-20	159.64
20-30	243.97
30-40	293.39
40-50	296.01
50-60	222.39
60-70	108.64
70-80	34.46
80-90	4.29
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 : BX910LEDECO4SAWT40120-277V_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	35	35	35	35	34	34	34	34	32	32	32	31	31	31	30	30	30	29
1	32	31	30	29	31	30	29	29	29	28	28	28	27	27	27	26	26	25
2	30	27	26	24	29	27	25	24	26	25	23	25	24	23	24	23	22	22
3	27	24	22	21	26	24	22	20	23	21	20	22	21	20	22	20	19	19
4	25	22	20	18	24	21	19	18	21	19	17	20	19	17	20	18	17	16
5	23	20	17	15	23	19	17	15	19	17	15	18	16	15	18	16	15	14
6	21	18	15	14	21	17	15	14	17	15	13	17	15	13	16	14	13	13
7	20	16	14	12	19	16	14	12	15	13	12	15	13	12	15	13	12	11
8	18	15	12	11	18	15	12	11	14	12	11	14	12	11	14	12	11	10
9	17	14	11	10	17	13	11	10	13	11	10	13	11	10	12	11	10	9
10	16	13	10	9	16	12	10	9	12	10	9	12	10	9	12	10	9	8

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BX910LEDECO4SAWT40120-277V_S.IES

UGR TABLE - CORRECTED

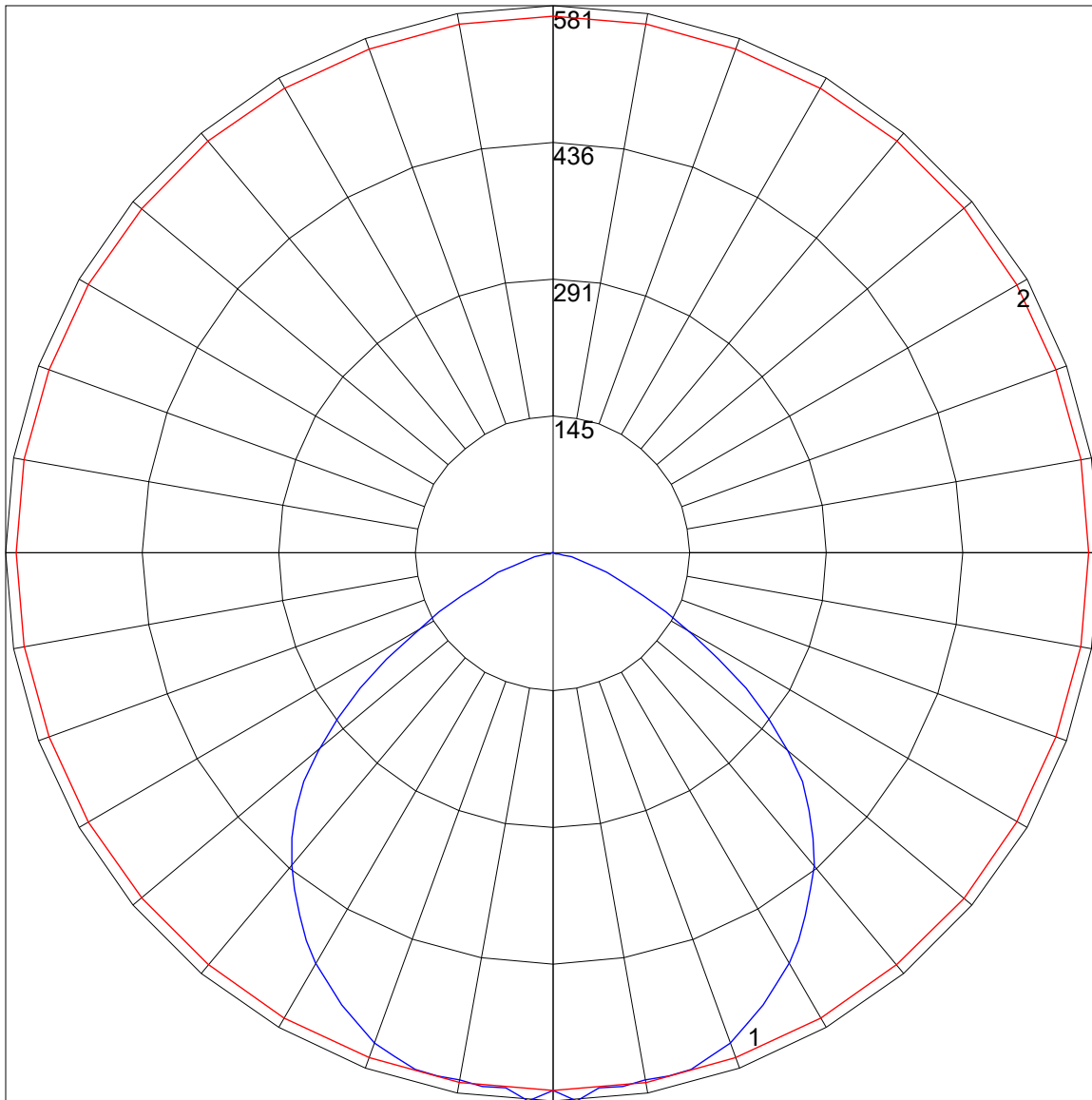
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	14.3	15.8	14.6	16.1	16.4	14.3	15.8	14.6	16.1	16.4
	3H	14.9	16.2	15.3	16.5	16.9	14.9	16.2	15.3	16.5	16.9
	4H	15.0	16.2	15.4	16.6	16.9	15.0	16.2	15.4	16.6	16.9
	6H	14.9	16.1	15.3	16.5	16.9	14.9	16.1	15.3	16.5	16.9
	8H	14.9	16.0	15.4	16.4	16.8	14.9	16.0	15.4	16.4	16.8
	12H	14.9	15.9	15.3	16.3	16.8	14.9	15.9	15.3	16.3	16.8
4H	2H	14.4	15.6	14.8	16.0	16.4	14.4	15.6	14.8	16.0	16.4
	3H	15.1	16.1	15.5	16.5	16.9	15.1	16.1	15.5	16.5	16.9
	4H	15.2	16.1	15.6	16.5	16.9	15.2	16.1	15.6	16.5	16.9
	6H	15.2	16.0	15.7	16.4	16.9	15.2	16.0	15.7	16.4	16.9
	8H	15.1	15.9	15.6	16.3	16.8	15.1	15.9	15.6	16.3	16.8
	12H	15.1	15.8	15.6	16.3	16.7	15.1	15.8	15.6	16.3	16.7
8H	4H	15.1	15.8	15.5	16.3	16.8	15.1	15.8	15.5	16.3	16.8
	6H	15.1	15.7	15.6	16.2	16.7	15.1	15.7	15.6	16.2	16.7
	8H	15.1	15.6	15.6	16.1	16.6	15.1	15.6	15.6	16.1	16.6
	12H	15.1	15.6	15.6	16.0	16.6	15.1	15.6	15.6	16.0	16.6
12H	4H	15.1	15.7	15.6	16.2	16.7	15.1	15.7	15.6	16.2	16.7
	6H	15.1	15.6	15.6	16.1	16.6	15.1	15.6	15.6	16.1	16.6
	8H	15.1	15.5	15.6	16.0	16.6	15.1	15.5	15.6	16.0	16.6

Maximum UGR = 16.9

POLAR GRAPH



Maximum Candela = 581.437 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)