



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BX920LED4SAWT40120V-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri May 28 10:58:09 2021

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BX920LED4SAWT40120V-277V_S

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

[LAMPCAT] L130-3580003000X21

[OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1463
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.31 ft
Luminous Width (90-270)	0.55 ft
Luminous Height	0.29 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2150	1620	1508
55	1956	1344	1228
65	1622	981	876
75	1053	516	447
85	277	85	70

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX920LED4SAWT40120V-277V_S.IES

CANDELA TABULATION

	0
0.0	508.878
2.5	515.224
5.0	512.200
7.5	503.450
10.0	501.888
12.5	499.248
15.0	498.630
17.5	495.660
20.0	488.086
22.5	481.642
25.0	471.408
27.5	461.450
30.0	452.010
32.5	438.454
35.0	425.002
37.5	412.038
40.0	396.742
42.5	378.996
45.0	360.388
47.5	341.566
50.0	320.468
52.5	297.838
55.0	273.020
57.5	248.138
60.0	224.676
62.5	198.414
65.0	174.180
67.5	150.070
70.0	125.060
72.5	99.808
75.0	75.674
77.5	54.970
80.0	36.468
82.5	20.900
85.0	9.484
87.5	2.744
90.0	0.090
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	0.002
122.5	0.000
125.0	0.000
127.5	0.000
130.0	0.000
132.5	0.002

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX920LED4SAWT40120V-277V_S.IES

CANDELA TABULATION - (Cont.)

135.0	0.002
137.5	0.002
140.0	0.000
142.5	0.002
145.0	0.002
147.5	0.002
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 : BX920LED4SAWT40120V-277V_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	189.15	N.A.	12.90
0-30	406.71	N.A.	27.80
0-40	673.01	N.A.	46.00
0-60	1194.92	N.A.	81.70
0-80	1449.36	N.A.	99.00
0-90	1463.33	N.A.	100.00
10-90	1414.94	N.A.	96.70
20-40	483.86	N.A.	33.10
20-50	761.78	N.A.	52.10
40-70	694.38	N.A.	47.50
60-80	254.44	N.A.	17.40
70-80	81.96	N.A.	5.60
80-90	13.97	N.A.	1.00
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	1463.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.39
10-20	140.76
20-30	217.56
30-40	266.30
40-50	277.91
50-60	243.99
60-70	172.47
70-80	81.96
80-90	13.97
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 : BX920LED4SAWT40120V-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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

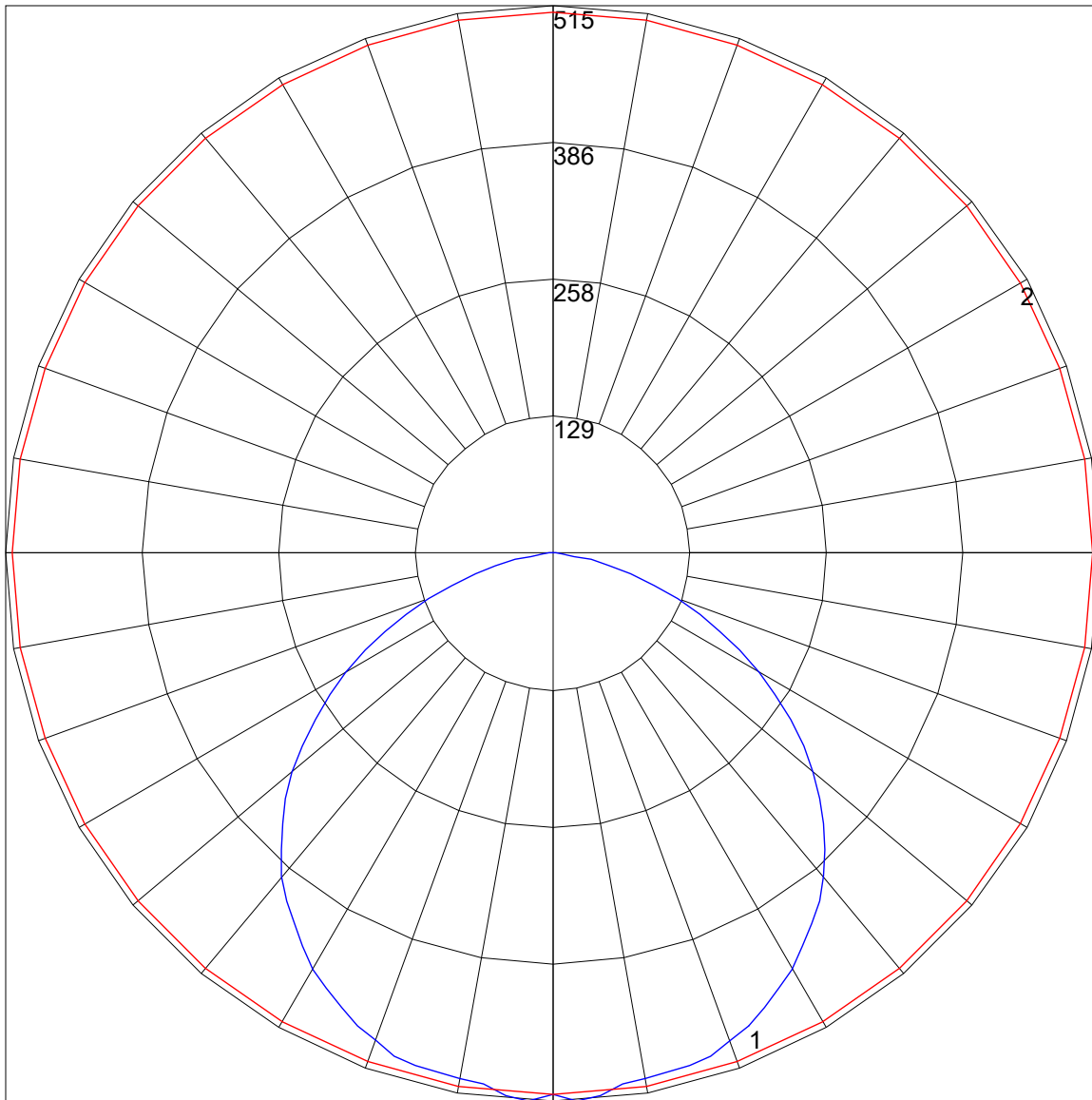
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BX920LED4SAWT40120V-277V_S.IES

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	13.7	15.3	14.1	15.7	16.0	13.7	15.3	14.1	15.7	16.0
	3H	15.2	16.7	15.6	17.0	17.3	15.2	16.7	15.6	17.0	17.3
	4H	15.6	17.0	16.0	17.3	17.7	15.6	17.0	16.0	17.3	17.7
	6H	15.8	17.1	16.2	17.5	17.8	15.8	17.1	16.2	17.5	17.8
	8H	15.9	17.1	16.3	17.5	17.8	15.9	17.1	16.3	17.5	17.8
	12H	15.9	17.0	16.3	17.4	17.8	15.9	17.0	16.3	17.4	17.8
4H	2H	14.1	15.5	14.5	15.8	16.2	14.1	15.5	14.5	15.8	16.2
	3H	15.7	16.9	16.1	17.3	17.7	15.7	16.9	16.1	17.3	17.7
	4H	16.2	17.2	16.6	17.6	18.1	16.2	17.2	16.6	17.6	18.1
	6H	16.5	17.4	16.9	17.8	18.3	16.5	17.4	16.9	17.8	18.3
	8H	16.5	17.4	17.0	17.8	18.3	16.5	17.4	17.0	17.8	18.3
	12H	16.5	17.3	17.0	17.8	18.2	16.5	17.3	17.0	17.8	18.2
8H	4H	16.3	17.1	16.8	17.6	18.0	16.3	17.1	16.8	17.6	18.0
	6H	16.6	17.3	17.1	17.8	18.2	16.6	17.3	17.1	17.8	18.2
	8H	16.6	17.3	17.1	17.8	18.3	16.6	17.3	17.1	17.8	18.3
	12H	16.7	17.2	17.2	17.7	18.3	16.7	17.2	17.2	17.7	18.3
12H	4H	16.3	17.0	16.8	17.5	18.0	16.3	17.0	16.8	17.5	18.0
	6H	16.6	17.2	17.1	17.7	18.2	16.6	17.2	17.1	17.7	18.2
	8H	16.7	17.2	17.2	17.7	18.2	16.7	17.2	17.2	17.7	18.2

Maximum UGR = 18.3

POLAR GRAPH



Maximum Candela = 515.224 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)