



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS101LEDECO4SAWT40120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2020.1.0 see: www.ltioptics.com/ies
 [ISSUE DATE]
 [TEST DATE] Thu Apr 15 11:44:47 2021
 [TEST] 1
 [MANUFACT] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS101LEDECO4SAWT40120-277V_S
 [LAMP] LED 0.915W DURIS S5 (150mA)
 [LAMPCAT] GW PSLRS1.PC-LRLT-5L7N-1
 [OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1440
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.12 ft
Luminous Width (90-270)	0.39 ft
Luminous Height	0.26 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2718	1911	1740
55	2677	1686	1501
65	2536	1373	1191
75	2299	976	819
85	1860	467	374

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS101LEDECO4SAWT40120-277V_P.IES

CANDELA TABULATION

	<u>0</u>
0	512.404
5	518.105
10	497.380
15	466.943
20	440.859
25	413.222
30	386.768
35	360.508
40	334.423
45	307.507
50	282.051
55	251.910
60	218.517
65	183.155
70	147.267
75	110.612
80	73.504
85	41.968
90	21.391
95	12.197
100	8.529
105	7.207
110	6.542
115	5.590
120	4.777
125	3.539
130	2.264
135	1.229
140	0.601
145	0.194
150	0.018
155	0.000
160	0.000
165	0.000
170	0.000
175	0.000
180	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS101LEDECO4SAWT40120-277V_P.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	180.67	N.A.	12.50
0-30	371.48	N.A.	25.80
0-40	597.47	N.A.	41.50
0-60	1060.29	N.A.	73.70
0-80	1358.28	N.A.	94.30
0-90	1407.00	N.A.	97.70
10-90	1358.35	N.A.	94.40
20-40	416.80	N.A.	29.00
20-50	654.79	N.A.	45.50
40-70	644.14	N.A.	44.70
60-80	297.98	N.A.	20.70
70-80	116.67	N.A.	8.10
80-90	48.72	N.A.	3.40
90-110	22.63	N.A.	1.60
90-120	28.22	N.A.	2.00
90-130	31.41	N.A.	2.20
90-150	32.62	N.A.	2.30
90-180	32.62	N.A.	2.30
110-180	9.99	N.A.	0.70
0-180	1439.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.65
10-20	132.02
20-30	190.82
30-40	225.99
40-50	237.99
50-60	224.84
60-70	181.31
70-80	116.67
80-90	48.72
90-100	14.83
100-110	7.80
110-120	5.59
120-130	3.18
130-140	1.04
140-150	0.16
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS101LEDECO4SAWT40120-277V_P.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	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	107	102	98	93	104	100	95	92	95	91	88	91	88	85	87	84	82	80
2	97	89	81	75	94	86	80	74	82	77	72	79	74	70	75	72	68	66
3	88	77	69	62	86	76	68	61	72	66	60	69	64	59	66	62	57	55
4	81	68	59	53	78	67	59	52	64	57	51	62	55	50	59	54	49	47
5	74	61	52	45	72	60	51	45	57	50	44	55	49	43	53	47	43	40
6	69	55	46	39	66	54	45	39	52	44	39	50	43	38	48	42	37	35
7	64	50	41	35	62	49	40	34	47	40	34	45	39	34	44	38	33	31
8	59	45	37	31	57	45	36	31	43	36	30	42	35	30	40	34	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	36	29	25	35	29	24	23

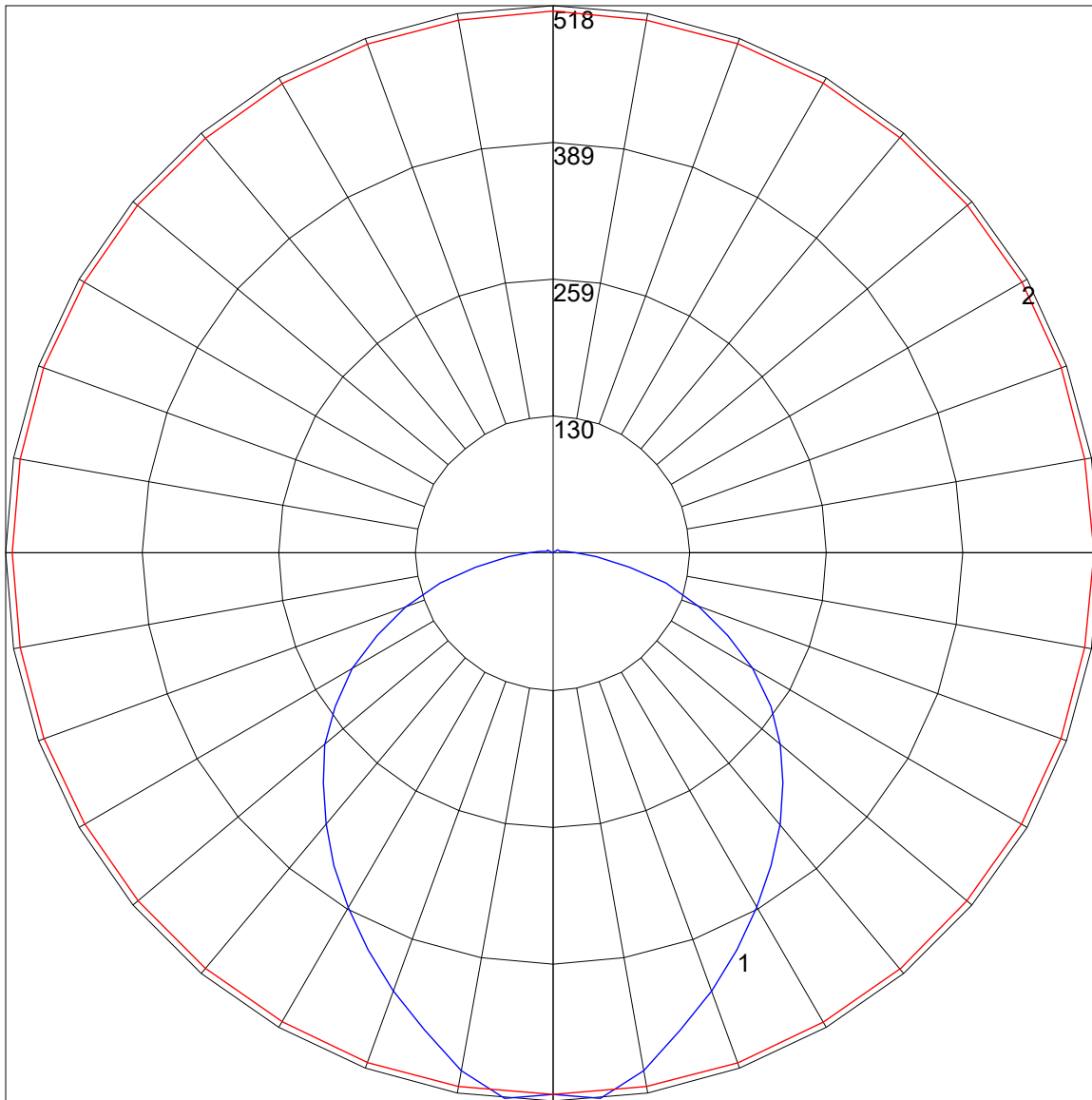
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS101LEDECO4SAWT40120-277V_P.IES

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	13.3	14.9	13.7	15.3	15.7	14.5	16.2	14.9	16.5	16.9
	3H	14.9	16.4	15.3	16.8	17.2	16.5	18.0	16.9	18.4	18.8
	4H	15.5	16.9	15.9	17.3	17.7	17.3	18.7	17.7	19.1	19.5
	6H	15.9	17.2	16.3	17.6	18.1	17.9	19.2	18.4	19.6	20.1
	8H	16.0	17.3	16.5	17.7	18.1	18.2	19.4	18.6	19.8	20.3
	12H	16.1	17.3	16.6	17.7	18.2	18.3	19.5	18.8	20.0	20.4
4H	2H	14.0	15.4	14.4	15.8	16.2	15.0	16.4	15.4	16.8	17.2
	3H	15.8	17.0	16.3	17.4	17.9	17.1	18.3	17.6	18.7	19.2
	4H	16.5	17.6	17.0	18.0	18.5	18.0	19.1	18.5	19.5	20.0
	6H	17.0	17.9	17.5	18.4	18.9	18.8	19.7	19.2	20.2	20.7
	8H	17.2	18.0	17.6	18.5	19.0	19.0	19.9	19.5	20.4	20.9
	12H	17.3	18.1	17.8	18.6	19.1	19.3	20.1	19.8	20.6	21.1
8H	4H	16.8	17.7	17.3	18.2	18.7	18.2	19.1	18.7	19.6	20.1
	6H	17.4	18.2	18.0	18.7	19.2	19.0	19.8	19.5	20.3	20.8
	8H	17.7	18.3	18.2	18.9	19.4	19.4	20.1	19.9	20.6	21.1
	12H	17.8	18.4	18.4	19.0	19.6	19.7	20.3	20.2	20.8	21.4
12H	4H	16.9	17.7	17.4	18.2	18.7	18.2	19.0	18.7	19.5	20.0
	6H	17.5	18.2	18.1	18.7	19.3	19.1	19.7	19.6	20.2	20.8
	8H	17.8	18.4	18.3	18.9	19.5	19.4	20.0	20.0	20.6	21.2

Maximum UGR = 21.4

POLAR GRAPH



Maximum Candela = 518.105 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)