



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS101LEDECO4HTHOWT40120-277V\_P.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TESTLAB] Photopia 2020.1.0 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)  
 [ISSUE DATE]  
 [TEST DATE] Thu Apr 15 11:25:45 2021  
 [TEST] 1  
 [MANUFACT] BEGHELLI  
 [LUMCAT]  
 [LUMINAIRE] BS101LEDECO4HTHOWT40120-277V\_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	7726
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	55
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.12
Spacing Criterion (90-270)	1.12
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	14599	10267	9346
55	14347	9036	8047
65	13706	7419	6438
75	12278	5213	4376
85	9997	2511	2011

CANDELA TABULATION

	<u>0</u>
0	2812.580
5	2786.757
10	2670.816
15	2500.014
20	2356.971
25	2209.919
30	2073.381
35	1941.718
40	1795.891
45	1651.929
50	1511.599
55	1350.230
60	1171.174
65	989.694
70	795.529
75	590.786
80	394.151
85	225.538
90	114.031
95	64.980
100	45.699
105	38.482
110	34.004
115	30.796
120	25.066
125	18.939
130	12.245
135	6.938
140	3.009
145	0.874
150	0.126
155	0.018
160	0.036
165	0.027
170	0.000
175	0.000
180	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS101LEDECO4HTHOWT40120-277V\_P.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	969.19	N.A.	12.50
0-30	1990.22	N.A.	25.80
0-40	3205.07	N.A.	41.50
0-60	5687.77	N.A.	73.60
0-80	7291.01	N.A.	94.40
0-90	7552.37	N.A.	97.70
10-90	7290.2	N.A.	94.40
20-40	2235.88	N.A.	28.90
20-50	3513.51	N.A.	45.50
40-70	3460.04	N.A.	44.80
60-80	1603.24	N.A.	20.80
70-80	625.90	N.A.	8.10
80-90	261.36	N.A.	3.40
90-110	120.56	N.A.	1.60
90-120	150.55	N.A.	1.90
90-130	167.50	N.A.	2.20
90-150	174.01	N.A.	2.30
90-180	174.04	N.A.	2.30
110-180	53.48	N.A.	0.70
0-180	7726.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	262.17
10-20	707.01
20-30	1021.04
30-40	1214.84
40-50	1277.63
50-60	1205.07
60-70	977.34
70-80	625.90
80-90	261.36
90-100	79.09
100-110	41.47
110-120	29.99
120-130	16.95
130-140	5.72
140-150	0.80
150-160	0.02
160-170	0.01
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS101LEDECO4HTHOWT40120-277V\_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	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	107	102	98	93	104	100	95	92	95	92	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	62	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	46	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

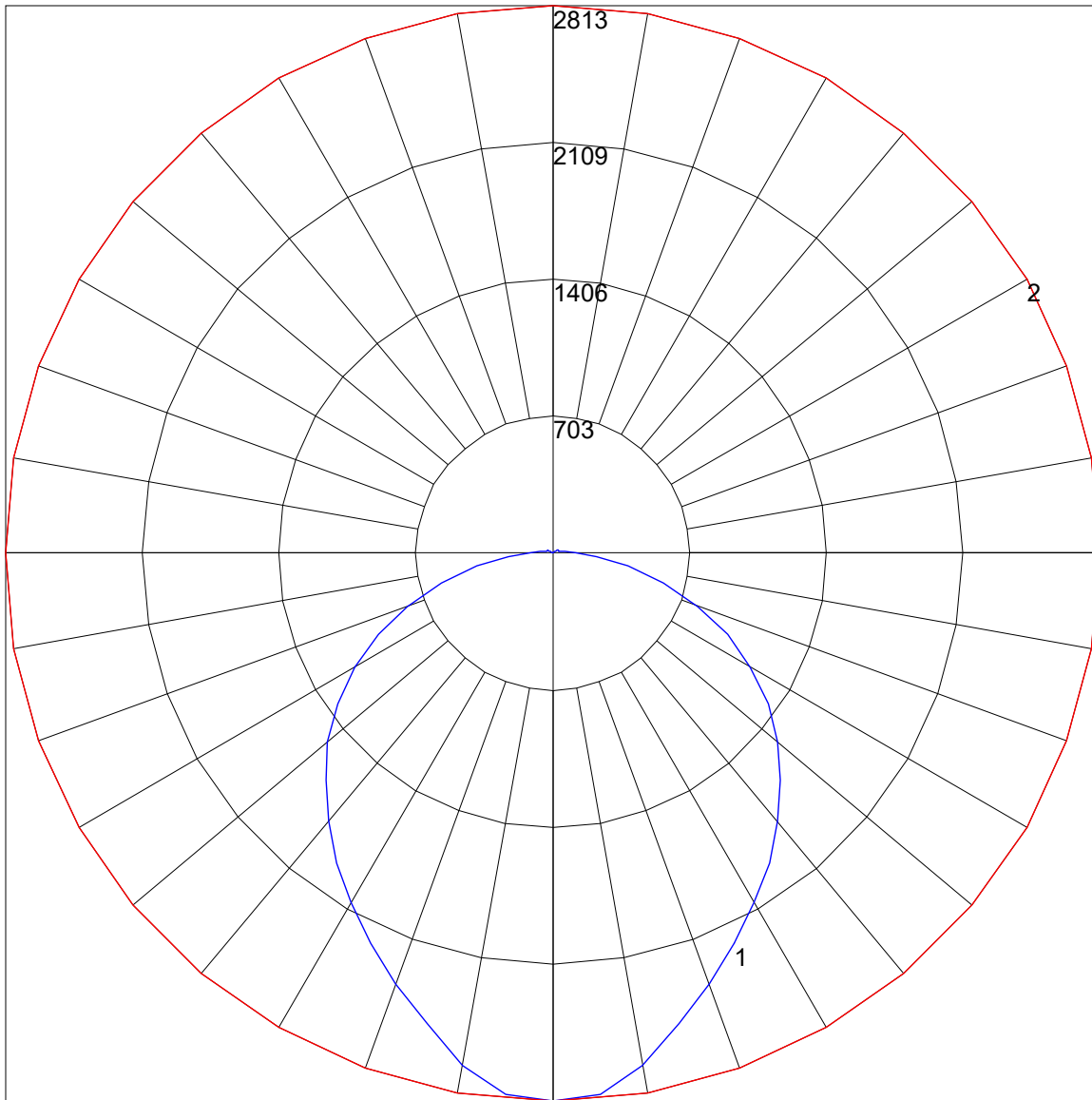
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BS101LEDECO4HTHOWT40120-277V\_P.IES**

**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	19.1	20.7	19.5	21.1	21.5	20.3	22.0	20.7	22.3	22.7
	3H	20.8	22.2	21.2	22.6	23.0	22.3	23.8	22.7	24.2	24.6
	4H	21.3	22.7	21.8	23.1	23.5	23.1	24.5	23.5	24.9	25.3
	6H	21.7	23.0	22.2	23.4	23.9	23.7	25.0	24.2	25.4	25.9
	8H	21.8	23.1	22.3	23.5	24.0	24.0	25.2	24.4	25.6	26.1
	12H	21.9	23.1	22.4	23.5	24.0	24.1	25.3	24.6	25.8	26.2
4H	2H	19.8	21.2	20.2	21.6	22.0	20.8	22.2	21.2	22.6	23.0
	3H	21.6	22.8	22.1	23.2	23.7	22.9	24.1	23.4	24.6	25.0
	4H	22.3	23.4	22.8	23.8	24.3	23.8	24.9	24.3	25.4	25.8
	6H	22.8	23.8	23.3	24.2	24.7	24.6	25.5	25.0	26.0	26.5
	8H	23.0	23.9	23.5	24.3	24.8	24.8	25.7	25.3	26.2	26.7
	12H	23.1	23.9	23.6	24.4	24.9	25.1	25.9	25.6	26.4	26.9
8H	4H	22.6	23.5	23.1	24.0	24.5	24.0	24.9	24.5	25.4	25.9
	6H	23.2	24.0	23.8	24.5	25.0	24.8	25.6	25.4	26.1	26.6
	8H	23.5	24.1	24.0	24.7	25.2	25.2	25.9	25.7	26.4	26.9
	12H	23.7	24.2	24.2	24.8	25.4	25.5	26.1	26.0	26.6	27.2
12H	4H	22.7	23.5	23.2	24.0	24.5	24.0	24.8	24.5	25.3	25.8
	6H	23.3	24.0	23.9	24.5	25.1	24.9	25.5	25.4	26.0	26.6
	8H	23.6	24.2	24.1	24.7	25.3	25.3	25.8	25.8	26.4	27.0

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 2812.58 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0)