



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS101LEDECO4HTHOWT30120-277V_S.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 10:51:42 2021
 [TEST] 1
 [MANUFACTURER] BEGHELLI
 [LUMEN CATEGORY]
 [LUMINAIRE] BS101LEDECO4HTHOWT30120-277V_S
 [LAMP] LED 0.915W DURIS S5 (150mA)
 [LAMP CATEGORY] GW PSLRS1.PC-LRLT-5L7N-1
 [OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7594
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
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	14366	10103	9197
55	14076	8865	7895
65	13467	7289	6326
75	12112	5142	4317
85	9735	2445	1958

CANDELA TABULATION

	<u>0</u>
0	2753.47
5	2753.12
10	2650.54
15	2467.80
20	2310.04
25	2177.62
30	2035.64
35	1900.12
40	1769.05
45	1625.51
50	1481.40
55	1324.71
60	1154.39
65	972.45
70	776.80
75	582.78
80	388.36
85	219.61
90	111.73
95	64.94
100	44.96
105	36.76
110	34.14
115	30.50
120	24.95
125	18.74
130	11.92
135	6.75
140	2.94
145	0.94
150	0.14
155	0.02
160	0.02
165	0.03
170	0.00
175	0.07
180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS101LEDECO4HTHOWT30120-277V_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	956.51	N.A.	12.60
0-30	1960.38	N.A.	25.80
0-40	3152.12	N.A.	41.50
0-60	5591.62	N.A.	73.60
0-80	7166.81	N.A.	94.40
0-90	7422.73	N.A.	97.70
10-90	7163.6	N.A.	94.30
20-40	2195.61	N.A.	28.90
20-50	3451.93	N.A.	45.50
40-70	3399.47	N.A.	44.80
60-80	1575.18	N.A.	20.70
70-80	615.22	N.A.	8.10
80-90	255.92	N.A.	3.40
90-110	118.63	N.A.	1.60
90-120	148.48	N.A.	2.00
90-130	165.25	N.A.	2.20
90-150	171.62	N.A.	2.30
90-180	171.65	N.A.	2.30
110-180	53.02	N.A.	0.70
0-180	7594.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	259.14
10-20	697.38
20-30	1003.86
30-40	1191.74
40-50	1256.33
50-60	1183.18
60-70	959.96
70-80	615.22
80-90	255.92
90-100	78.24
100-110	40.40
110-120	29.85
120-130	16.77
130-140	5.57
140-150	0.81
150-160	0.02
160-170	0.01
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS101LEDECO4HTHOWT30120-277V_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	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	69	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	67	54	45	39	52	44	39	50	43	38	48	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	33	31
8	59	46	37	31	58	45	37	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	51	38	30	25	37	30	25	36	29	25	35	29	25	23

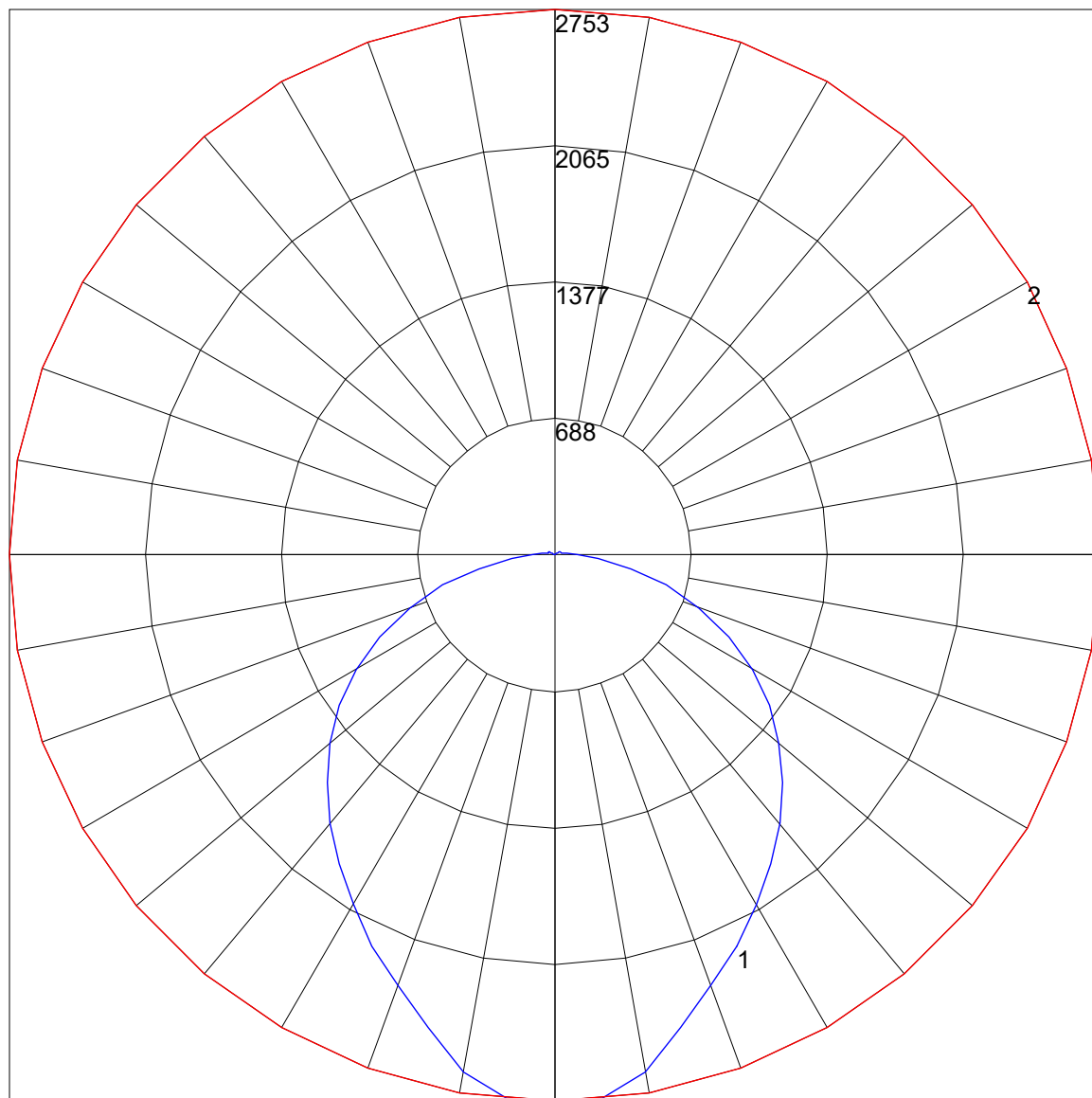
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS101LEDECO4HTHOWT30120-277V_S.IES

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	20.2	21.9	20.6	22.2	22.6	20.2	21.9	20.6	22.2	22.6
	3H	22.2	23.7	22.6	24.1	24.5	22.2	23.7	22.6	24.1	24.5
	4H	23.0	24.4	23.4	24.8	25.2	23.0	24.4	23.4	24.8	25.2
	6H	23.6	24.9	24.1	25.3	25.8	23.6	24.9	24.1	25.3	25.8
	8H	23.9	25.1	24.3	25.5	26.0	23.9	25.1	24.3	25.5	26.0
	12H	24.0	25.2	24.5	25.7	26.1	24.0	25.2	24.5	25.7	26.1
4H	2H	20.7	22.1	21.1	22.5	22.9	20.7	22.1	21.1	22.5	22.9
	3H	22.8	24.0	23.3	24.4	24.9	22.8	24.0	23.3	24.4	24.9
	4H	23.7	24.8	24.2	25.3	25.7	23.7	24.8	24.2	25.3	25.7
	6H	24.5	25.4	24.9	25.9	26.4	24.5	25.4	24.9	25.9	26.4
	8H	24.7	25.6	25.2	26.1	26.6	24.7	25.6	25.2	26.1	26.6
	12H	25.0	25.8	25.5	26.3	26.8	25.0	25.8	25.5	26.3	26.8
8H	4H	23.9	24.8	24.4	25.3	25.8	23.9	24.8	24.4	25.3	25.8
	6H	24.7	25.5	25.3	26.0	26.5	24.7	25.5	25.3	26.0	26.5
	8H	25.1	25.8	25.6	26.3	26.8	25.1	25.8	25.6	26.3	26.8
	12H	25.4	26.0	25.9	26.5	27.1	25.4	26.0	25.9	26.5	27.1
12H	4H	23.9	24.7	24.4	25.2	25.7	23.9	24.7	24.4	25.2	25.7
	6H	24.8	25.4	25.3	25.9	26.5	24.8	25.4	25.3	25.9	26.5
	8H	25.2	25.7	25.7	26.3	26.9	25.2	25.7	25.7	26.3	26.9

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 2753.47 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)