



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS101LEDECO4HTHOWT50120-277V_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 11:32:52 2021
 [TEST] 1
 [MANUFACTURER] BEGHELLI
 [LUMEN CATEGORY]
 [LUMINAIRE] BS101LEDECO4HTHOWT50120-277V_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	7919
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	55
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.28
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	15047	10582	9633
55	14686	9250	8237
65	14047	7603	6598
75	12582	5341	4485
85	10182	2557	2048

CANDELA TABULATION

	<u>0</u>
0	2958.274
5	2875.549
10	2749.845
15	2576.406
20	2393.958
25	2261.830
30	2120.072
35	1982.627
40	1848.866
45	1702.603
50	1546.668
55	1382.107
60	1207.665
65	1014.365
70	809.446
75	605.391
80	403.055
85	229.704
90	116.912
95	66.077
100	47.325
105	38.988
110	35.033
115	31.550
120	25.701
125	19.363
130	12.711
135	7.237
140	3.248
145	1.030
150	0.113
155	0.035
160	0.044
165	0.017
170	0.017
175	0.000
180	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	996.56	N.A.	12.60
0-30	2039.4	N.A.	25.80
0-40	3282.8	N.A.	41.50
0-60	5832.38	N.A.	73.60
0-80	7474.01	N.A.	94.40
0-90	7740.85	N.A.	97.70
10-90	7469.87	N.A.	94.30
20-40	2286.25	N.A.	28.90
20-50	3600.39	N.A.	45.50
40-70	3551.56	N.A.	44.80
60-80	1641.63	N.A.	20.70
70-80	639.65	N.A.	8.10
80-90	266.84	N.A.	3.40
90-110	123.36	N.A.	1.60
90-120	154.14	N.A.	1.90
90-130	171.53	N.A.	2.20
90-150	178.38	N.A.	2.30
90-180	178.42	N.A.	2.30
110-180	55.06	N.A.	0.70
0-180	7919.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	270.98
10-20	725.58
20-30	1042.84
30-40	1243.41
40-50	1314.15
50-60	1235.43
60-70	1001.98
70-80	639.65
80-90	266.84
90-100	80.92
100-110	42.44
110-120	30.78
120-130	17.39
130-140	5.97
140-150	0.88
150-160	0.03
160-170	0.01
170-180	0.00

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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	40	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

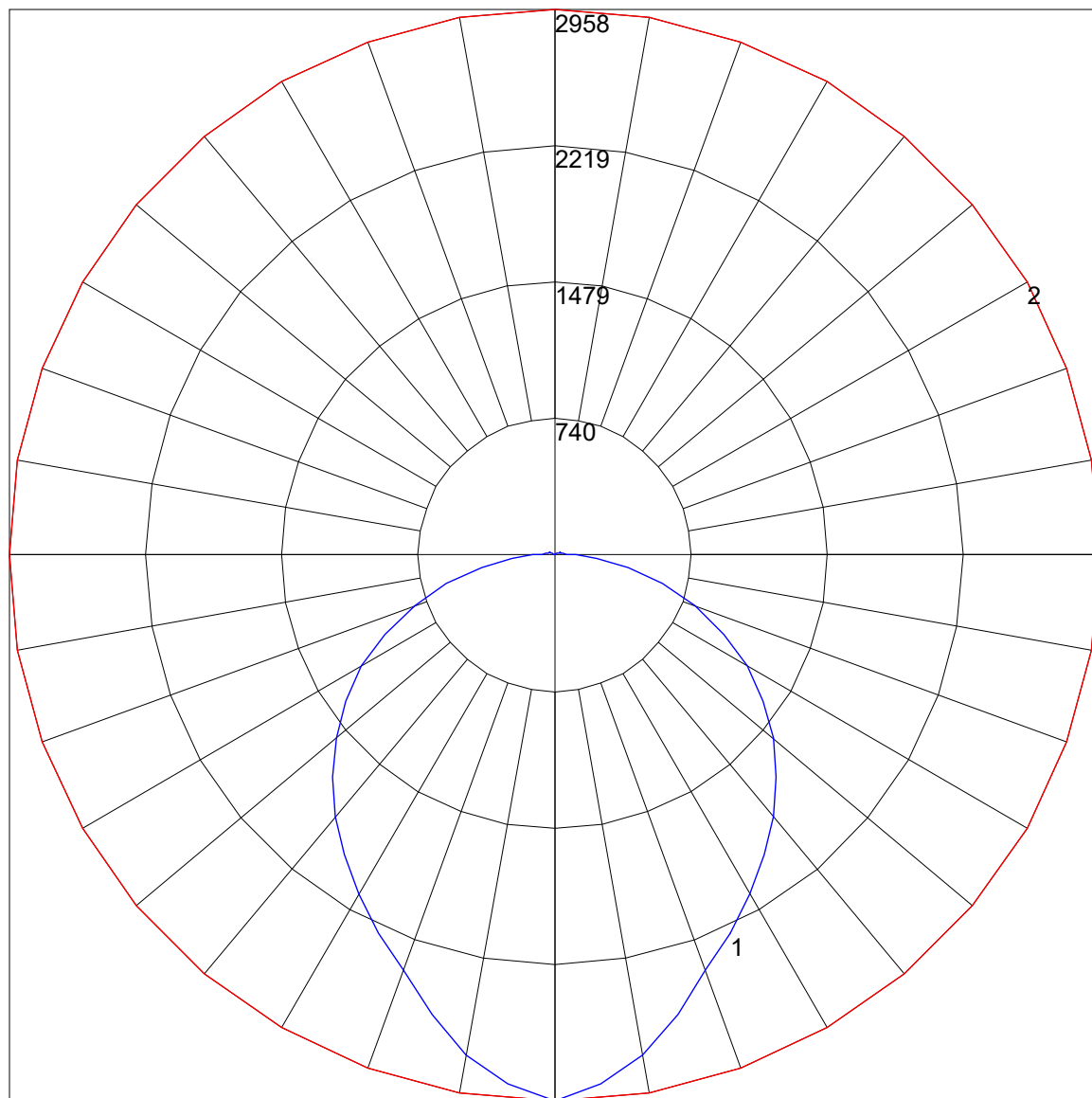
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UGR TABLE - CORRECTED

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	19.2	20.9	19.6	21.2	21.6	20.4	22.1	20.8	22.4	22.8
	3H	20.9	22.3	21.3	22.7	23.1	22.4	23.9	22.8	24.3	24.7
	4H	21.4	22.8	21.8	23.2	23.6	23.2	24.6	23.6	25.0	25.4
	6H	21.8	23.1	22.2	23.5	24.0	23.8	25.1	24.3	25.5	26.0
	8H	21.9	23.2	22.4	23.6	24.0	24.1	25.3	24.5	25.7	26.2
	12H	22.0	23.2	22.5	23.6	24.1	24.2	25.4	24.7	25.8	26.3
4H	2H	19.9	21.3	20.3	21.7	22.1	20.9	22.3	21.3	22.7	23.1
	3H	21.7	22.9	22.2	23.3	23.8	23.0	24.2	23.5	24.7	25.1
	4H	22.4	23.5	22.9	23.9	24.4	23.9	25.0	24.4	25.4	25.9
	6H	22.9	23.8	23.4	24.3	24.8	24.7	25.6	25.1	26.1	26.6
	8H	23.1	23.9	23.5	24.4	24.9	24.9	25.8	25.4	26.3	26.8
	12H	23.2	24.0	23.7	24.5	25.0	25.2	26.0	25.7	26.5	27.0
8H	4H	22.7	23.6	23.2	24.1	24.6	24.1	25.0	24.6	25.5	26.0
	6H	23.3	24.1	23.9	24.6	25.1	24.9	25.7	25.4	26.2	26.7
	8H	23.6	24.2	24.1	24.8	25.3	25.3	25.9	25.8	26.5	27.0
	12H	23.7	24.3	24.3	24.9	25.5	25.6	26.2	26.1	26.7	27.3
12H	4H	22.8	23.6	23.3	24.1	24.6	24.1	24.9	24.6	25.4	25.9
	6H	23.4	24.1	24.0	24.6	25.2	25.0	25.6	25.5	26.1	26.7
	8H	23.7	24.3	24.2	24.8	25.4	25.3	25.9	25.9	26.5	27.1

Maximum UGR = 27.3

POLAR GRAPH



Maximum Candela = 2958.274 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)