



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS101LEDECO4HTLOWT40120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2020.1.0 see: www.ltioptics.com/ies
 [ISSUEDATE]
 [TESTDATE] Thu Apr 15 10:02:33 2021
 [TEST] 1
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS101LEDECO4HTLOWT40120-277V_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	4874
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	35
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	9243	6500	5917
55	9054	5703	5078
65	8621	4666	4049
75	7715	3275	2750
85	6247	1569	1257

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CANDELA TABULATION

	<u>0</u>
0	1750.075
5	1764.720
10	1688.475
15	1584.486
20	1487.024
25	1390.464
30	1306.932
35	1223.008
40	1133.619
45	1045.891
50	957.376
55	852.092
60	739.190
65	622.501
70	500.009
75	371.229
80	247.665
85	140.933
90	72.387
95	41.230
100	29.246
105	24.093
110	21.959
115	19.691
120	16.163
125	11.314
130	7.805
135	4.260
140	2.063
145	0.518
150	0.080
155	0.027
160	0.009
165	0.009
170	0.009
175	0.000
180	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	612.84	N.A.	12.60
0-30	1255.99	N.A.	25.80
0-40	2021.73	N.A.	41.50
0-60	3591.33	N.A.	73.70
0-80	4599.91	N.A.	94.40
0-90	4763.91	N.A.	97.70
10-90	4598.36	N.A.	94.30
20-40	1408.89	N.A.	28.90
20-50	2217.23	N.A.	45.50
40-70	2184.86	N.A.	44.80
60-80	1008.58	N.A.	20.70
70-80	393.33	N.A.	8.10
80-90	164.00	N.A.	3.40
90-110	76.57	N.A.	1.60
90-120	95.83	N.A.	2.00
90-130	106.34	N.A.	2.20
90-150	110.47	N.A.	2.30
90-180	110.49	N.A.	2.30
110-180	33.92	N.A.	0.70
0-180	4874.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	165.55
10-20	447.29
20-30	643.15
30-40	765.74
40-50	808.34
50-60	761.26
60-70	615.26
70-80	393.33
80-90	164.00
90-100	50.26
100-110	26.31
110-120	19.26
120-130	10.51
130-140	3.61
140-150	0.52
150-160	0.02
160-170	0.00
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	78	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

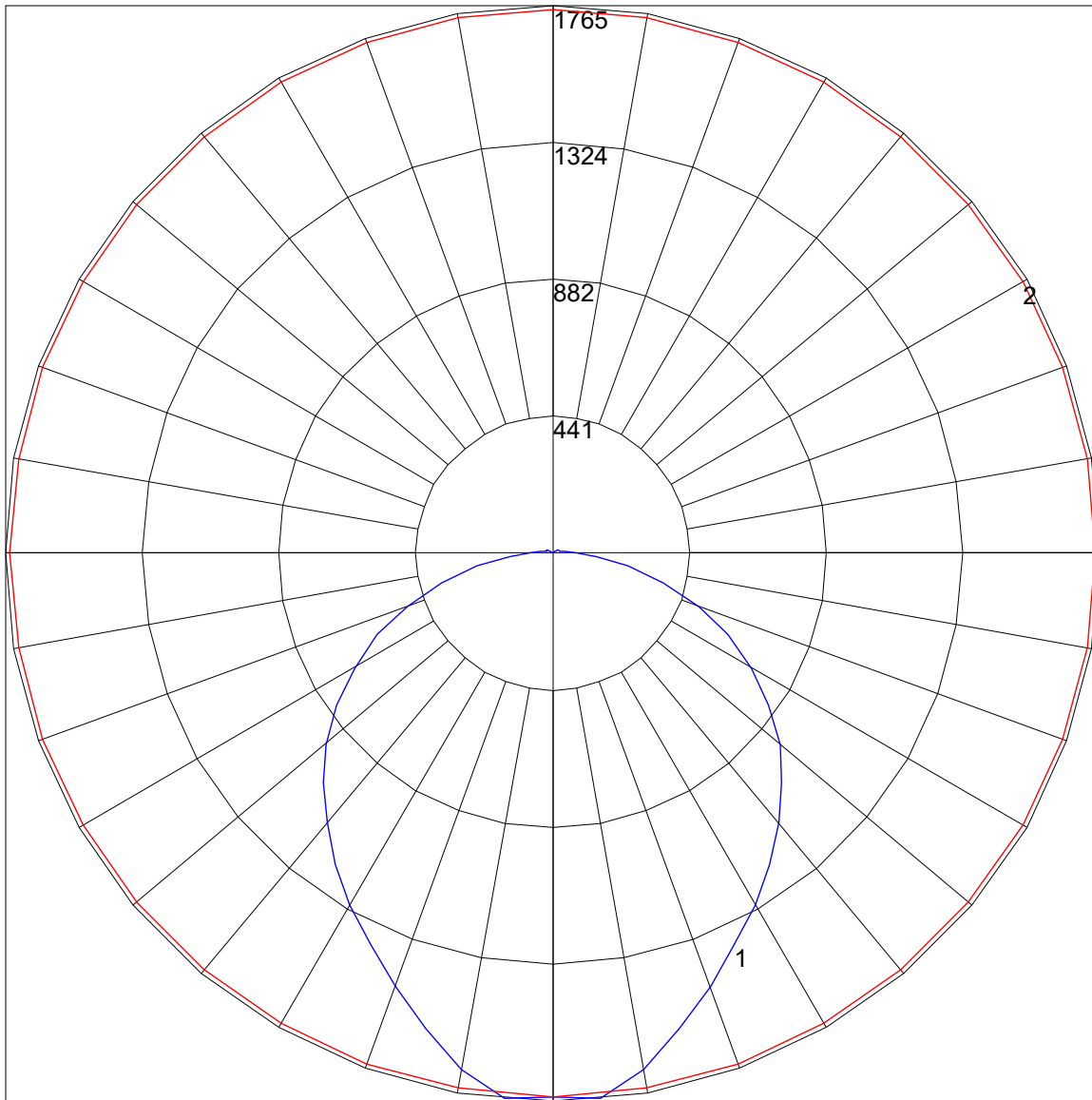
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UGR TABLE - CORRECTED

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	17.5	19.1	17.9	19.5	19.9	18.7	20.4	19.1	20.7	21.1
	3H	19.1	20.6	19.6	21.0	21.4	20.7	22.2	21.1	22.6	23.0
	4H	19.7	21.1	20.1	21.5	21.9	21.5	22.9	21.9	23.3	23.7
	6H	20.1	21.4	20.5	21.8	22.2	22.1	23.4	22.6	23.8	24.3
	8H	20.2	21.5	20.7	21.9	22.3	22.3	23.6	22.8	24.0	24.5
	12H	20.3	21.5	20.7	21.9	22.4	22.5	23.7	23.0	24.1	24.6
4H	2H	18.2	19.6	18.6	20.0	20.4	19.2	20.6	19.6	21.0	21.4
	3H	20.0	21.2	20.5	21.6	22.1	21.3	22.5	21.8	22.9	23.4
	4H	20.7	21.8	21.2	22.2	22.7	22.2	23.3	22.7	23.7	24.2
	6H	21.2	22.1	21.7	22.6	23.1	22.9	23.9	23.4	24.4	24.9
	8H	21.3	22.2	21.8	22.7	23.2	23.2	24.1	23.7	24.6	25.1
	12H	21.5	22.3	22.0	22.8	23.3	23.5	24.3	24.0	24.8	25.3
8H	4H	21.0	21.9	21.5	22.4	22.9	22.4	23.3	22.9	23.8	24.3
	6H	21.6	22.4	22.1	22.9	23.4	23.2	24.0	23.7	24.5	25.0
	8H	21.9	22.5	22.4	23.1	23.6	23.6	24.2	24.1	24.8	25.3
	12H	22.0	22.6	22.6	23.1	23.7	23.9	24.5	24.4	25.0	25.6
12H	4H	21.1	21.9	21.6	22.4	22.9	22.4	23.2	22.9	23.7	24.2
	6H	21.7	22.4	22.3	22.9	23.5	23.3	23.9	23.8	24.4	25.0
	8H	22.0	22.6	22.5	23.1	23.7	23.6	24.2	24.2	24.7	25.3

Maximum UGR = 25.6

POLAR GRAPH



Maximum Candela = 1764.72 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)