



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS101LEDECO4HTLOWT30120-277V_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 09:34:21 2021
 [TEST] 1
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS101LEDECO4HTLOWT30120-277V_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	4744
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	35
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.10
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	8983	6317	5750
55	8820	5555	4947
65	8455	4577	3972
75	7574	3216	2700
85	6117	1536	1230

CANDELA TABULATION

	<u>0</u>
0	1747.043
5	1701.643
10	1636.337
15	1531.645
20	1444.316
25	1356.595
30	1267.364
35	1190.610
40	1101.712
45	1016.404
50	924.534
55	830.034
60	721.663
65	610.555
70	488.391
75	364.451
80	242.425
85	138.007
90	71.005
95	39.838
100	28.233
105	23.436
110	21.042
115	18.845
120	15.784
125	11.448
130	7.554
135	4.316
140	1.884
145	0.579
150	0.069
155	0.010
160	0.029
165	0.000
170	0.000
175	0.000
180	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	593.82	N.A.	12.50
0-30	1219.65	N.A.	25.70
0-40	1964.06	N.A.	41.40
0-60	3488.61	N.A.	73.50
0-80	4476.04	N.A.	94.40
0-90	4636.64	N.A.	97.70
10-90	4476.00	N.A.	94.40
20-40	1370.24	N.A.	28.90
20-50	2154.62	N.A.	45.40
40-70	2126.68	N.A.	44.80
60-80	987.43	N.A.	20.80
70-80	385.30	N.A.	8.10
80-90	160.60	N.A.	3.40
90-110	74.30	N.A.	1.60
90-120	92.82	N.A.	2.00
90-130	103.24	N.A.	2.20
90-150	107.29	N.A.	2.30
90-180	107.31	N.A.	2.30
110-180	33.01	N.A.	0.70
0-180	4743.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	160.64
10-20	433.18
20-30	625.83
30-40	744.41
40-50	784.38
50-60	740.17
60-70	602.12
70-80	385.30
80-90	160.60
90-100	48.85
100-110	25.45
110-120	18.52
120-130	10.43
130-140	3.55
140-150	0.51
150-160	0.01
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	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	52	78	67	58	52	64	57	51	61	55	50	59	54	49	47
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	53	47	43	40
6	69	55	46	39	66	54	45	39	52	44	38	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	32	27	38	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

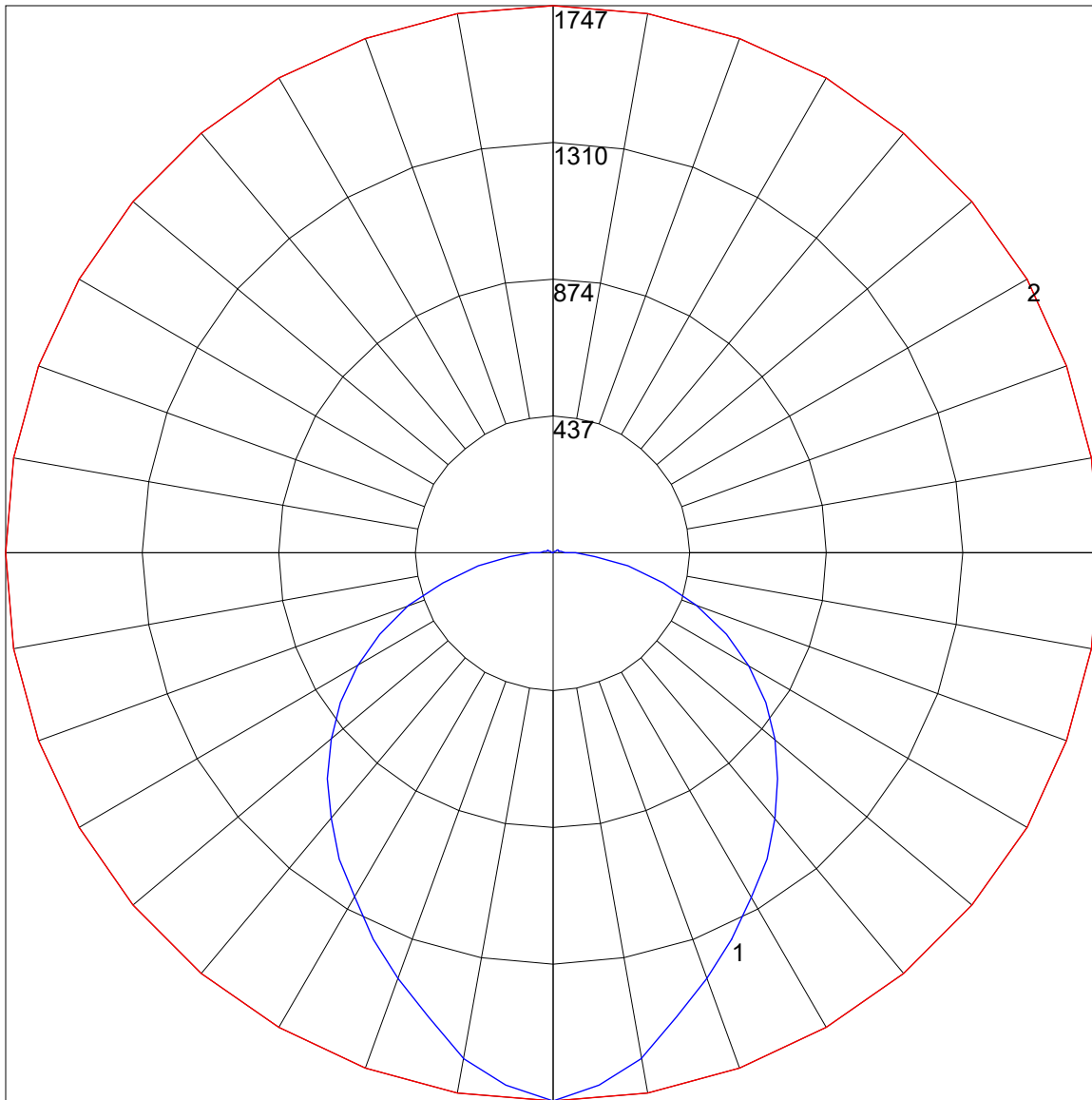
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UGR TABLE - CORRECTED

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	17.4	19.1	17.8	19.4	19.8	18.6	20.3	19.0	20.6	21.0
	3H	19.1	20.5	19.5	20.9	21.3	20.6	22.1	21.1	22.5	22.9
	4H	19.6	21.0	20.1	21.4	21.8	21.4	22.8	21.9	23.2	23.6
	6H	20.0	21.3	20.5	21.7	22.2	22.0	23.3	22.5	23.7	24.2
	8H	20.2	21.4	20.6	21.8	22.3	22.3	23.5	22.7	23.9	24.4
	12H	20.2	21.4	20.7	21.8	22.3	22.5	23.7	22.9	24.1	24.6
4H	2H	18.1	19.5	18.5	19.9	20.3	19.1	20.5	19.5	20.9	21.3
	3H	19.9	21.1	20.4	21.6	22.0	21.3	22.4	21.7	22.9	23.3
	4H	20.6	21.7	21.1	22.2	22.6	22.1	23.2	22.6	23.7	24.2
	6H	21.1	22.1	21.6	22.6	23.1	22.9	23.8	23.4	24.3	24.8
	8H	21.3	22.2	21.8	22.7	23.2	23.2	24.1	23.6	24.5	25.0
	12H	21.4	22.2	21.9	22.7	23.2	23.4	24.2	23.9	24.7	25.2
8H	4H	21.0	21.9	21.4	22.3	22.8	22.3	23.2	22.8	23.7	24.2
	6H	21.6	22.3	22.1	22.8	23.4	23.1	23.9	23.7	24.4	24.9
	8H	21.8	22.5	22.3	23.0	23.5	23.5	24.2	24.0	24.7	25.2
	12H	22.0	22.6	22.5	23.1	23.7	23.8	24.4	24.4	24.9	25.5
12H	4H	21.0	21.8	21.5	22.3	22.8	22.3	23.1	22.8	23.7	24.2
	6H	21.6	22.3	22.2	22.8	23.4	23.2	23.9	23.7	24.4	24.9
	8H	21.9	22.5	22.4	23.0	23.6	23.6	24.2	24.1	24.7	25.3

Maximum UGR = 25.5

POLAR GRAPH



Maximum Candela = 1747.043 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)