



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS101LEDECO4HTLOWT50120-277V_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 10:37:12 2021
 [TEST] 1
 [MANUFAC] beghelli
 [LUMCAT]
 [LUMINAIRE] BS101LEDECO4HTLOWT50120-277V_S
 [LAMP] LED 0.915W DURIS S5 (150mA)
 [LAMP CAT] GW PSLRS1.PC-LRLT-5L7N-1
 [OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
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	9534	6705	6103
55	9335	5880	5236
65	8916	4826	4188
75	8024	3407	2860
85	6473	1626	1302

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CANDELA TABULATION

	<u>0</u>
0	1868.595
5	1833.693
10	1751.081
15	1640.882
20	1537.798
25	1440.310
30	1351.439
35	1269.944
40	1170.003
45	1078.775
50	984.543
55	878.552
60	765.054
65	643.811
70	514.939
75	386.093
80	257.317
85	146.035
90	74.746
95	42.882
100	30.398
105	25.238
110	22.663
115	19.983
120	16.823
125	12.405
130	8.058
135	4.461
140	1.938
145	0.707
150	0.113
155	0.017
160	0.009
165	0.009
170	0.000
175	0.017
180	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	635.68	N.A.	12.60
0-30	1301.32	N.A.	25.80
0-40	2094.43	N.A.	41.50
0-60	3712.74	N.A.	73.60
0-80	4756.32	N.A.	94.30
0-90	4926.37	N.A.	97.70
10-90	4753.87	N.A.	94.30
20-40	1458.75	N.A.	28.90
20-50	2292.05	N.A.	45.50
40-70	2254.22	N.A.	44.70
60-80	1043.57	N.A.	20.70
70-80	407.67	N.A.	8.10
80-90	170.05	N.A.	3.40
90-110	79.53	N.A.	1.60
90-120	99.27	N.A.	2.00
90-130	110.48	N.A.	2.20
90-150	114.75	N.A.	2.30
90-180	114.78	N.A.	2.30
110-180	35.25	N.A.	0.70
0-180	5041.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	172.50
10-20	463.18
20-30	665.65
30-40	793.10
40-50	833.30
50-60	785.01
60-70	635.90
70-80	407.67
80-90	170.05
90-100	52.12
100-110	27.41
110-120	19.75
120-130	11.21
130-140	3.71
140-150	0.56
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	38	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	34	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

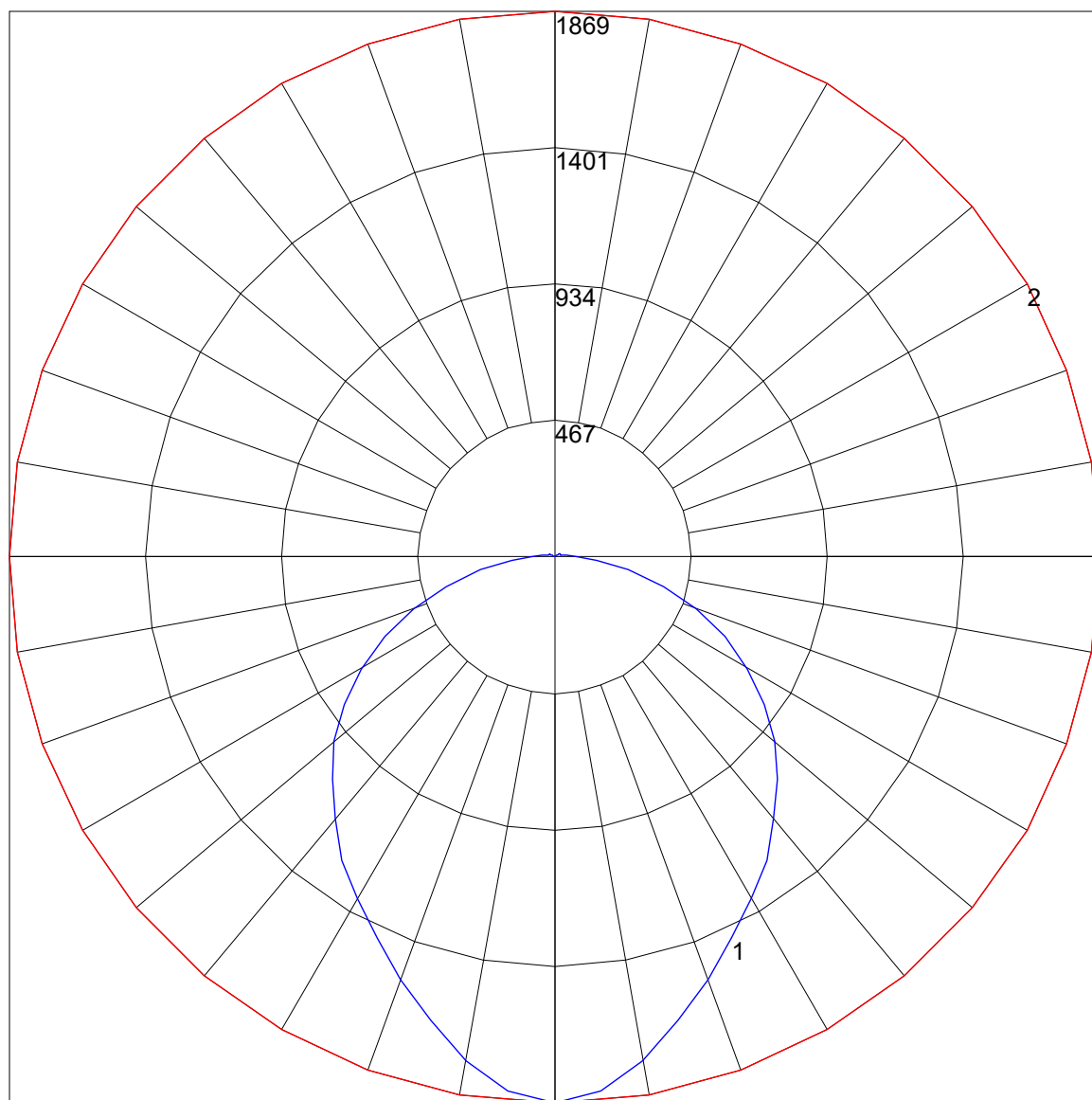
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UGR TABLE - CORRECTED

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	17.6	19.2	18.0	19.6	20.0	18.8	20.4	19.2	20.8	21.2
	3H	19.2	20.7	19.6	21.1	21.5	20.8	22.3	21.2	22.7	23.1
	4H	19.8	21.2	20.2	21.6	22.0	21.6	23.0	22.0	23.4	23.8
	6H	20.2	21.5	20.6	21.9	22.3	22.2	23.5	22.7	23.9	24.4
	8H	20.3	21.6	20.8	22.0	22.4	22.5	23.7	22.9	24.1	24.6
	12H	20.4	21.6	20.8	22.0	22.5	22.6	23.8	23.1	24.2	24.7
4H	2H	18.3	19.7	18.7	20.1	20.5	19.3	20.7	19.7	21.0	21.5
	3H	20.1	21.3	20.5	21.7	22.2	21.4	22.6	21.9	23.0	23.5
	4H	20.8	21.9	21.3	22.3	22.8	22.3	23.4	22.8	23.8	24.3
	6H	21.3	22.2	21.8	22.7	23.2	23.0	24.0	23.5	24.5	25.0
	8H	21.4	22.3	21.9	22.8	23.3	23.3	24.2	23.8	24.7	25.2
	12H	21.6	22.4	22.1	22.9	23.4	23.6	24.4	24.1	24.9	25.4
8H	4H	21.1	22.0	21.6	22.5	23.0	22.5	23.4	23.0	23.9	24.4
	6H	21.7	22.5	22.2	23.0	23.5	23.3	24.1	23.8	24.6	25.1
	8H	22.0	22.6	22.5	23.2	23.7	23.7	24.3	24.2	24.9	25.4
	12H	22.1	22.7	22.7	23.3	23.9	24.0	24.6	24.5	25.1	25.7
12H	4H	21.2	22.0	21.7	22.5	23.0	22.5	23.3	23.0	23.8	24.3
	6H	21.8	22.5	22.4	23.0	23.6	23.4	24.0	23.9	24.5	25.1
	8H	22.1	22.7	22.6	23.2	23.8	23.7	24.3	24.3	24.9	25.5

Maximum UGR = 25.7

POLAR GRAPH



Maximum Candela = 1868.595 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)