

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED4HTMOWT35120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2022.0.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Mon Jun 06 14:13:07 2022

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT] LINEAR - INDOOR / OUTDOOR LUMINAIRE

[LUMINAIRE] BS100LED4HTMOWT35120-277V

[LAMP] LED 0.915W DURIS S 5 3030 (150mA)

[LAMPCAT] GW PSLRS1.PC-LRLT-5L7N-1

[OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7379
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	50
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.21 ft
Luminous Width (90-270)	0.58 ft
Luminous Height	0.32 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9696	7220	6717
55	8916	6043	5521
65	7957	4735	4232
75	6633	3200	2779
85	5495	1689	1403

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CANDELA TABULATION

	<u>0</u>
0.0	2541.356
2.5	2533.744
5.0	2512.895
7.5	2509.178
10.0	2449.049
12.5	2426.172
15.0	2390.407
17.5	2366.391
20.0	2309.858
22.5	2271.536
25.0	2227.500
27.5	2172.715
30.0	2113.524
32.5	2046.332
35.0	1979.019
37.5	1901.457
40.0	1839.199
42.5	1754.534
45.0	1677.871
47.5	1580.638
50.0	1485.054
52.5	1392.406
55.0	1289.429
57.5	1193.865
60.0	1090.109
62.5	983.256
65.0	889.659
67.5	790.339
70.0	689.790
72.5	591.738
75.0	501.438
77.5	413.536
80.0	333.536
82.5	262.317
85.0	203.836
87.5	154.146
90.0	117.682
92.5	86.923
95.0	65.065
97.5	48.871
100.0	38.831
102.5	30.020
105.0	23.506
107.5	18.901
110.0	15.954
112.5	12.058
115.0	9.560
117.5	7.433
120.0	5.754
122.5	4.276
125.0	3.047
127.5	2.148
130.0	1.409
132.5	0.649

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CANDELA TABULATION - (Cont.)

135.0	0.300
137.5	0.080
140.0	0.050
142.5	0.040
145.0	0.010
147.5	0.000
150.0	0.000
152.5	0.000
155.0	0.000
157.5	0.000
160.0	0.000
162.5	0.000
165.0	0.000
167.5	0.000
170.0	0.000
172.5	0.000
175.0	0.000
177.5	0.000
180.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	914.50	N.A.	12.40
0-30	1939.8	N.A.	26.30
0-40	3177.55	N.A.	43.10
0-60	5620.91	N.A.	76.20
0-80	7032.6	N.A.	95.30
0-90	7263.05	N.A.	98.40
10-90	7024.31	N.A.	95.20
20-40	2263.05	N.A.	30.70
20-50	3551.73	N.A.	48.10
40-70	3322.61	N.A.	45.00
60-80	1411.69	N.A.	19.10
70-80	532.44	N.A.	7.20
80-90	230.45	N.A.	3.10
90-110	102.72	N.A.	1.40
90-120	112.68	N.A.	1.50
90-130	115.65	N.A.	1.60
90-150	116.01	N.A.	1.60
90-180	116.01	N.A.	1.60
110-180	13.30	N.A.	0.20
0-180	7379.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	238.74
10-20	675.76
20-30	1025.29
30-40	1237.76
40-50	1288.68
50-60	1154.68
60-70	879.25
70-80	532.44
80-90	230.45
90-100	76.23
100-110	26.49
110-120	9.96
120-130	2.96
130-140	0.35
140-150	0.01
150-160	0.00
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	116	116	116	116	110	110	110	105	105	105	101	101	101	98
1	108	103	98	94	105	100	96	93	96	92	89	92	89	86	88	86	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	77	73	70	67
3	89	78	70	63	86	77	69	63	73	67	61	70	65	60	68	63	59	57
4	82	69	60	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

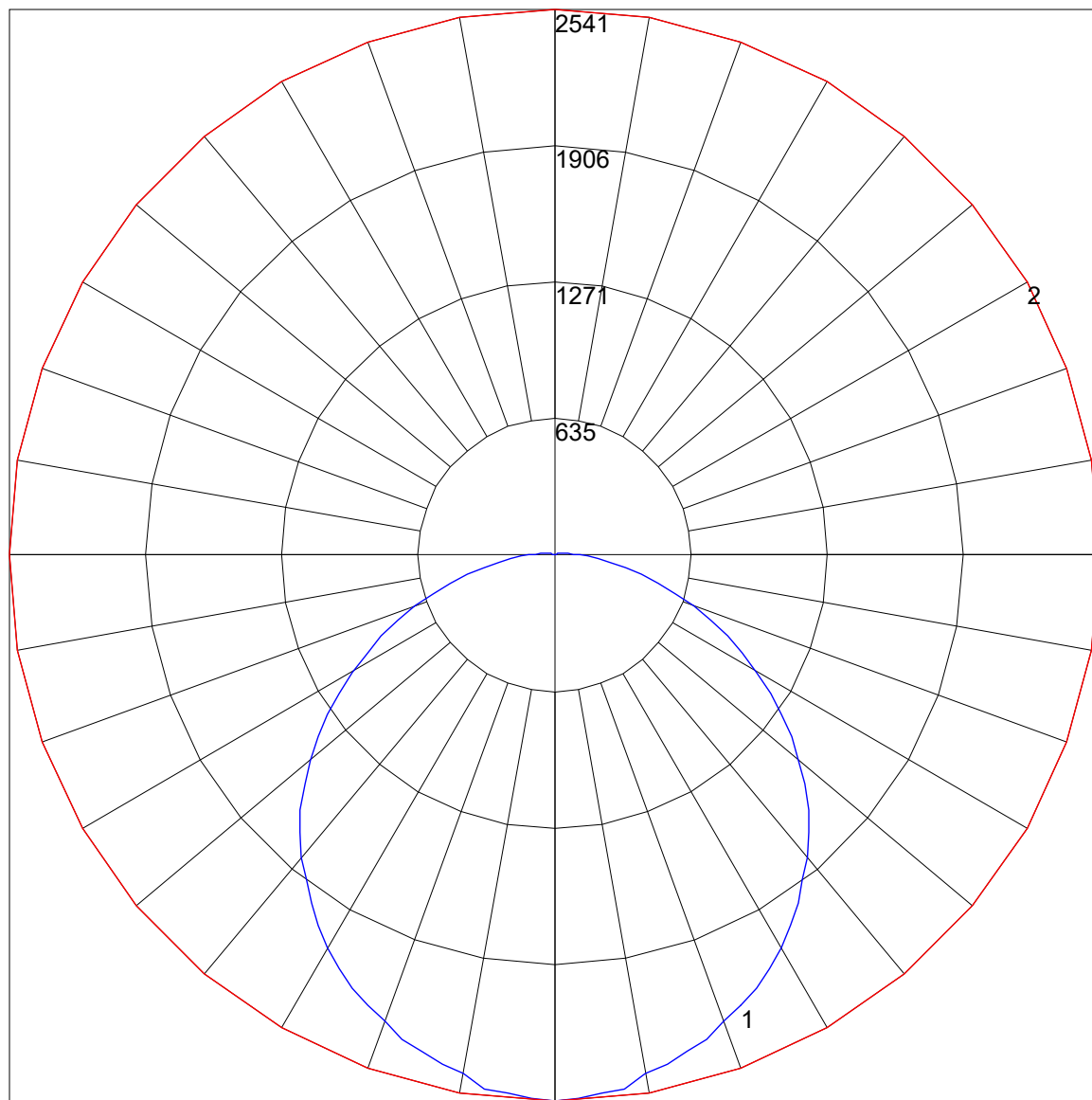
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UGR TABLE - CORRECTED

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	17.7	19.3	18.1	19.7	20.0	18.7	20.3	19.1	20.7	21.1
	3H	19.2	20.6	19.6	21.0	21.4	20.5	21.9	20.9	22.3	22.7
	4H	19.7	21.0	20.1	21.4	21.9	21.1	22.5	21.6	22.9	23.3
	6H	20.0	21.3	20.5	21.7	22.1	21.7	23.0	22.1	23.4	23.8
	8H	20.1	21.4	20.6	21.8	22.2	21.9	23.1	22.3	23.5	24.0
	12H	20.2	21.4	20.7	21.8	22.3	22.1	23.2	22.5	23.6	24.1
4H	2H	18.3	19.7	18.7	20.1	20.5	19.1	20.5	19.6	20.9	21.3
	3H	20.0	21.1	20.4	21.6	22.0	21.1	22.2	21.5	22.7	23.1
	4H	20.6	21.6	21.0	22.1	22.6	21.8	22.9	22.3	23.4	23.8
	6H	21.1	22.0	21.5	22.4	22.9	22.5	23.4	23.0	23.9	24.4
	8H	21.2	22.1	21.7	22.5	23.0	22.8	23.6	23.2	24.1	24.6
	12H	21.3	22.1	21.8	22.6	23.1	23.0	23.8	23.5	24.3	24.8
8H	4H	20.9	21.7	21.4	22.2	22.7	22.0	22.9	22.5	23.4	23.9
	6H	21.4	22.1	21.9	22.7	23.2	22.7	23.5	23.3	24.0	24.5
	8H	21.6	22.3	22.2	22.8	23.4	23.1	23.7	23.6	24.3	24.8
	12H	21.8	22.4	22.4	22.9	23.5	23.4	24.0	23.9	24.5	25.1
12H	4H	20.9	21.7	21.4	22.2	22.7	22.0	22.8	22.5	23.3	23.8
	6H	21.5	22.1	22.0	22.6	23.2	22.8	23.4	23.3	23.9	24.5
	8H	21.8	22.3	22.3	22.8	23.5	23.1	23.7	23.7	24.2	24.8

Maximum UGR = 25.1

POLAR GRAPH



Maximum Candela = 2541.356 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) (Through Max. Cd.)