

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED4HTLOWT35120-277V_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 14:07:02 2022

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT] LINEAR - INDOOR / OUTDOOR LUMINAIRE

[LUMINAIRE] BS100LED4HTLOWT35120-277V

[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	5901
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	40
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	7722	5750	5349
55	7178	4865	4445
65	6337	3771	3371
75	5311	2563	2225
85	4385	1347	1120

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CANDELA TABULATION

	<u>0</u>
0.0	2033.27
2.5	2011.49
5.0	2016.11
7.5	2006.58
10.0	1969.56
12.5	1947.60
15.0	1938.32
17.5	1883.33
20.0	1850.13
22.5	1816.29
25.0	1774.90
27.5	1724.84
30.0	1688.73
32.5	1631.71
35.0	1581.48
37.5	1522.15
40.0	1460.03
42.5	1401.69
45.0	1336.25
47.5	1271.91
50.0	1189.53
52.5	1112.01
55.0	1038.09
57.5	951.63
60.0	874.49
62.5	792.49
65.0	708.52
67.5	631.93
70.0	552.60
72.5	476.15
75.0	401.54
77.5	331.62
80.0	266.83
82.5	209.00
85.0	162.65
87.5	123.81
90.0	93.77
92.5	69.27
95.0	51.23
97.5	39.54
100.0	30.28
102.5	23.56
105.0	18.46
107.5	15.12
110.0	12.39
112.5	9.70
115.0	7.65
117.5	5.94
120.0	4.82
122.5	3.24
125.0	2.49
127.5	1.74
130.0	0.93
132.5	0.57

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CANDELA TABULATION - (Cont.)

135.0	0.26
137.5	0.12
140.0	0.06
142.5	0.02
145.0	0.00
147.5	0.00
150.0	0.00
152.5	0.00
155.0	0.00
157.5	0.00
160.0	0.00
162.5	0.00
165.0	0.00
167.5	0.00
170.0	0.00
172.5	0.00
175.0	0.00
177.5	0.00
180.0	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	733.55	N.A.	12.40
0-30	1551.15	N.A.	26.30
0-40	2539.34	N.A.	43.00
0-60	4493.82	N.A.	76.10
0-80	5625.23	N.A.	95.30
0-90	5809.33	N.A.	98.40
10-90	5618.2	N.A.	95.20
20-40	1805.79	N.A.	30.60
20-50	2835.82	N.A.	48.10
40-70	2658.81	N.A.	45.10
60-80	1131.42	N.A.	19.20
70-80	427.08	N.A.	7.20
80-90	184.10	N.A.	3.10
90-110	81.47	N.A.	1.40
90-120	89.43	N.A.	1.50
90-130	91.78	N.A.	1.60
90-150	92.08	N.A.	1.60
90-180	92.08	N.A.	1.60
110-180	10.61	N.A.	0.20
0-180	5901.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.13
10-20	542.42
20-30	817.60
30-40	988.19
40-50	1030.04
50-60	924.44
60-70	704.34
70-80	427.08
80-90	184.10
90-100	60.65
100-110	20.82
110-120	7.96
120-130	2.35
130-140	0.29
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	34	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

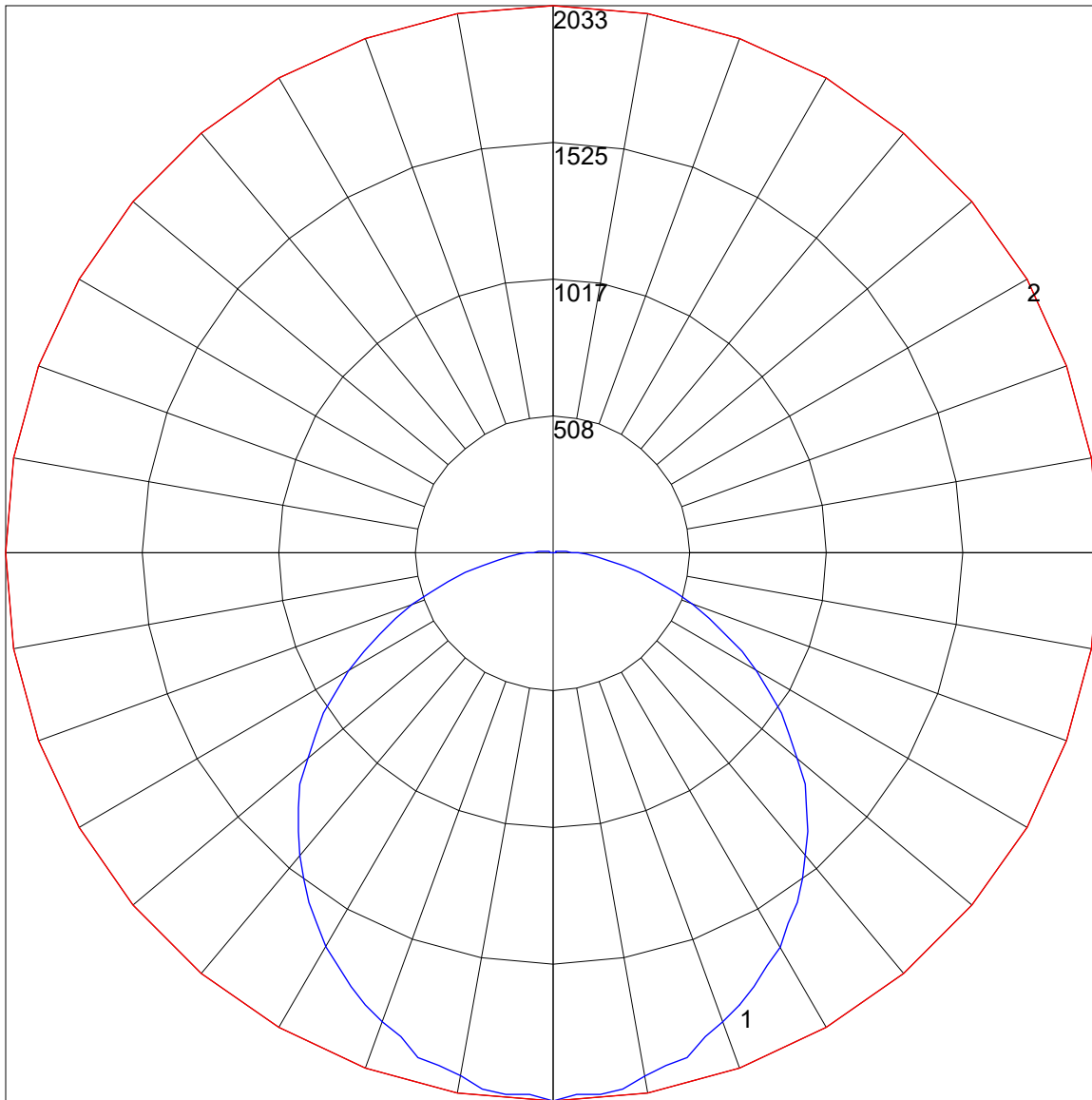
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UGR TABLE - CORRECTED

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	17.0	18.6	17.4	18.9	19.3	18.0	19.6	18.4	20.0	20.3
	3H	18.5	19.9	18.9	20.3	20.7	19.8	21.2	20.2	21.6	22.0
	4H	19.0	20.3	19.4	20.7	21.2	20.4	21.8	20.9	22.2	22.6
	6H	19.3	20.6	19.8	21.0	21.4	21.0	22.3	21.4	22.7	23.1
	8H	19.4	20.6	19.9	21.1	21.5	21.2	22.4	21.6	22.8	23.3
	12H	19.5	20.7	20.0	21.1	21.6	21.4	22.5	21.8	22.9	23.4
4H	2H	17.6	19.0	18.0	19.3	19.8	18.4	19.8	18.8	20.2	20.6
	3H	19.3	20.4	19.7	20.9	21.3	20.4	21.5	20.8	22.0	22.4
	4H	19.9	20.9	20.3	21.4	21.9	21.1	22.2	21.6	22.7	23.1
	6H	20.4	21.3	20.8	21.7	22.2	21.8	22.7	22.3	23.2	23.7
	8H	20.5	21.3	21.0	21.8	22.3	22.1	22.9	22.5	23.4	23.9
	12H	20.6	21.4	21.1	21.9	22.4	22.3	23.1	22.8	23.6	24.1
8H	4H	20.2	21.0	20.7	21.5	22.0	21.3	22.2	21.8	22.7	23.2
	6H	20.7	21.4	21.2	22.0	22.5	22.0	22.8	22.6	23.3	23.8
	8H	20.9	21.6	21.5	22.1	22.7	22.4	23.0	22.9	23.6	24.1
	12H	21.1	21.7	21.7	22.2	22.8	22.7	23.3	23.2	23.8	24.4
12H	4H	20.2	21.0	20.7	21.5	22.0	21.3	22.1	21.8	22.6	23.1
	6H	20.8	21.4	21.3	21.9	22.5	22.1	22.7	22.6	23.2	23.8
	8H	21.1	21.6	21.6	22.1	22.7	22.4	23.0	23.0	23.5	24.1

Maximum UGR = 24.4

POLAR GRAPH



Maximum Candela = 2033.27 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.)