

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS100LED2HTHOWT35120-277V_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 14:55:51 2022

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT] LINEAR - INDOOR / OUTDOOR LUMINAIRE

[LUMINAIRE] BS100LED2HTHOWT35120-277V_S

[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	6881
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
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)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.28 ft
Luminous Width (90-270)	0.55 ft
Luminous Height	0.32 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16356	12407	11863
55	14863	10379	9816
65	12890	8061	7525
75	10261	5426	4980
85	7535	2895	2592

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CANDELA TABULATION

	<u>0</u>
0.0	2369.482
2.5	2311.308
5.0	2320.310
7.5	2288.065
10.0	2280.211
12.5	2253.165
15.0	2226.828
17.5	2185.091
20.0	2147.157
22.5	2099.822
25.0	2051.599
27.5	1991.818
30.0	1944.164
32.5	1894.184
35.0	1831.140
37.5	1767.837
40.0	1694.145
42.5	1617.119
45.0	1549.884
47.5	1457.080
50.0	1380.144
52.5	1292.470
55.0	1201.991
57.5	1106.083
60.0	1014.168
62.5	922.801
65.0	831.773
67.5	739.209
70.0	653.790
72.5	564.010
75.0	474.329
77.5	395.467
80.0	320.128
82.5	255.258
85.0	199.810
87.5	153.502
90.0	115.598
92.5	87.265
95.0	65.818
97.5	52.944
100.0	40.309
102.5	32.605
105.0	27.176
107.5	22.904
110.0	18.653
112.5	15.239
115.0	12.106
117.5	9.830
120.0	8.224
122.5	6.098
125.0	4.890
127.5	3.922
130.0	2.914
132.5	2.116

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CANDELA TABULATION - (Cont.)

135.0	1.447
137.5	0.709
140.0	0.479
142.5	0.269
145.0	0.180
147.5	0.160
150.0	0.250
152.5	0.309
155.0	0.449
157.5	0.459
160.0	0.339
162.5	0.848
165.0	0.888
167.5	1.228
170.0	0.988
172.5	0.399
175.0	0.878
177.5	0.579
180.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	846.81	N.A.	12.30
0-30	1791.58	N.A.	26.00
0-40	2936.9	N.A.	42.70
0-60	5199.36	N.A.	75.60
0-80	6529.57	N.A.	94.90
0-90	6754.72	N.A.	98.20
10-90	6535.19	N.A.	95.00
20-40	2090.1	N.A.	30.40
20-50	3279.64	N.A.	47.70
40-70	3085.97	N.A.	44.80
60-80	1330.21	N.A.	19.30
70-80	506.70	N.A.	7.40
80-90	225.15	N.A.	3.30
90-110	107.30	N.A.	1.60
90-120	119.92	N.A.	1.70
90-130	124.56	N.A.	1.80
90-150	125.90	N.A.	1.80
90-180	126.38	N.A.	1.80
110-180	19.08	N.A.	0.30
0-180	6881.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	219.54
10-20	627.27
20-30	944.77
30-40	1145.33
40-50	1189.54
50-60	1072.92
60-70	823.50
70-80	506.70
80-90	225.15
90-100	77.55
100-110	29.75
110-120	12.63
120-130	4.64
130-140	1.18
140-150	0.16
150-160	0.17
160-170	0.25
170-180	0.06

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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	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	89	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	62	73	66	61	70	64	60	67	63	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	60	52	45	58	51	45	56	49	44	54	48	43	41
6	69	56	46	40	67	54	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	38	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

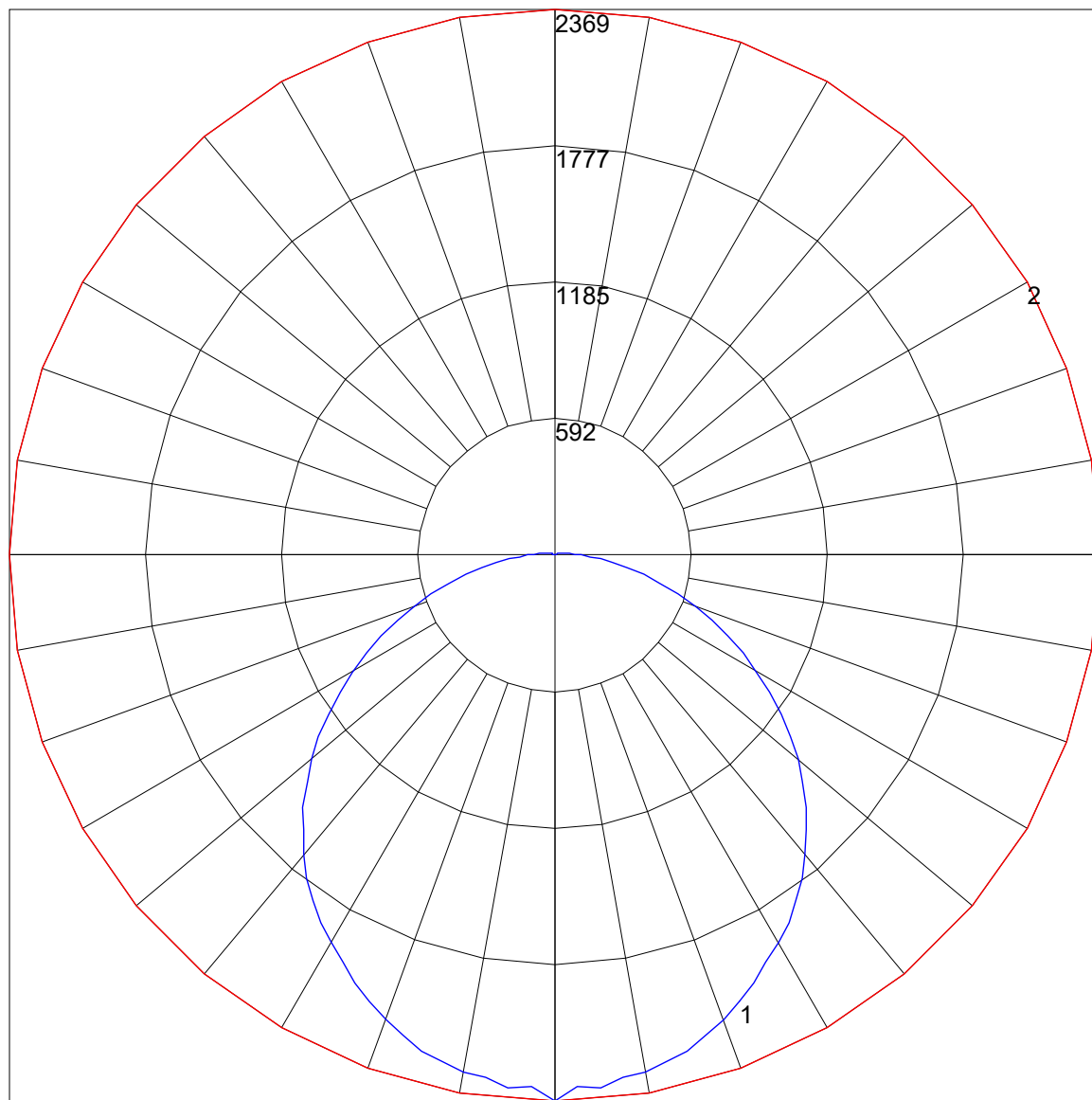
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UGR TABLE - CORRECTED

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	19.6	21.2	20.0	21.6	22.0	20.5	22.1	20.9	22.5	22.8
	3H	21.2	22.6	21.6	23.0	23.4	22.3	23.7	22.7	24.1	24.5
	4H	21.7	23.0	22.1	23.4	23.9	22.9	24.3	23.3	24.7	25.1
	6H	22.0	23.3	22.5	23.7	24.2	23.4	24.7	23.9	25.1	25.6
	8H	22.2	23.4	22.6	23.8	24.3	23.6	24.8	24.1	25.3	25.7
	12H	22.2	23.4	22.7	23.8	24.3	23.8	25.0	24.2	25.4	25.9
4H	2H	20.2	21.6	20.7	22.0	22.4	20.9	22.3	21.4	22.7	23.1
	3H	21.9	23.1	22.4	23.5	24.0	22.9	24.0	23.3	24.5	24.9
	4H	22.6	23.6	23.0	24.1	24.6	23.6	24.7	24.1	25.2	25.6
	6H	23.0	24.0	23.5	24.5	25.0	24.3	25.2	24.8	25.7	26.2
	8H	23.2	24.1	23.7	24.6	25.1	24.5	25.4	25.0	25.9	26.4
	12H	23.3	24.1	23.8	24.6	25.1	24.7	25.5	25.2	26.0	26.5
8H	4H	22.8	23.7	23.3	24.2	24.7	23.8	24.7	24.3	25.2	25.7
	6H	23.4	24.2	24.0	24.7	25.2	24.5	25.3	25.1	25.8	26.3
	8H	23.7	24.3	24.2	24.9	25.4	24.9	25.5	25.4	26.1	26.6
	12H	23.8	24.4	24.4	25.0	25.6	25.1	25.7	25.7	26.3	26.9
12H	4H	22.9	23.7	23.4	24.2	24.7	23.8	24.6	24.3	25.1	25.6
	6H	23.5	24.2	24.0	24.7	25.2	24.6	25.2	25.1	25.7	26.3
	8H	23.8	24.3	24.3	24.9	25.5	24.9	25.5	25.5	26.0	26.6

Maximum UGR = 26.9

POLAR GRAPH



Maximum Candela = 2369.482 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.)