

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL716LEDHTLOWT18120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2019.0.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Thu Aug 01 11:33:03 2019

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT] OUTDOOR LUMINAIRE

[OTHER] FLOOD

[LUMINAIRE] BL716LEDHTLOWT18120-277V_P

[LAMP] LED 0.3W White 2323 package (65mA)

[LAMPCAT] SPMWHT221MD5WAT0S0

[OTHER]

IESNA:LM-63-2002

[TESTLAB] CSA Group

[OTHER] Luminous shape: Rectangle

[OTHER] Luminous dimensions (feet)

[OTHER] 0 - 180 Axis: 4.2

[OTHER] 90 - 270 Axis: 0.6

[OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1815
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.44
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.53 ft
Luminous Width (90-270)	0.61 ft
Luminous Height	0.24 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15607	14194	16306
55	7819	6948	8265
65	3014	2605	3233
75	987	823	1080
85	151	119	170

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CANDELA TABULATION

	<u>0</u>
0	773.640
5	748.816
10	769.102
15	797.157
20	822.233
25	828.652
30	802.609
35	738.695
40	624.786
45	479.834
50	340.718
55	221.173
60	132.836
65	75.272
70	40.371
75	20.625
80	9.555
85	2.439
90	0.009
95	0.000
100	0.000
105	0.000
110	0.000
115	0.000
120	0.000
125	0.000
130	0.000
135	0.000
140	0.000
145	0.000
150	0.000
155	0.000
160	0.000
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	298.87	N.A.	16.50
0-30	678.46	N.A.	37.40
0-40	1132.91	N.A.	62.40
0-60	1707.25	N.A.	94.10
0-80	1811.14	N.A.	99.80
0-90	1815.07	N.A.	100.00
10-90	1742.57	N.A.	96.00
20-40	834.04	N.A.	46.00
20-50	1204.37	N.A.	66.40
40-70	654.21	N.A.	36.00
60-80	103.89	N.A.	5.70
70-80	24.02	N.A.	1.30
80-90	3.93	N.A.	0.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1815.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.50
10-20	226.37
20-30	379.58
30-40	454.45
40-50	370.33
50-60	204.00
60-70	79.87
70-80	24.02
80-90	3.93
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
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	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	65	60	56	54
6	76	65	57	51	75	64	56	51	62	56	51	61	55	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	56	50	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32

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UGR TABLE - CORRECTED

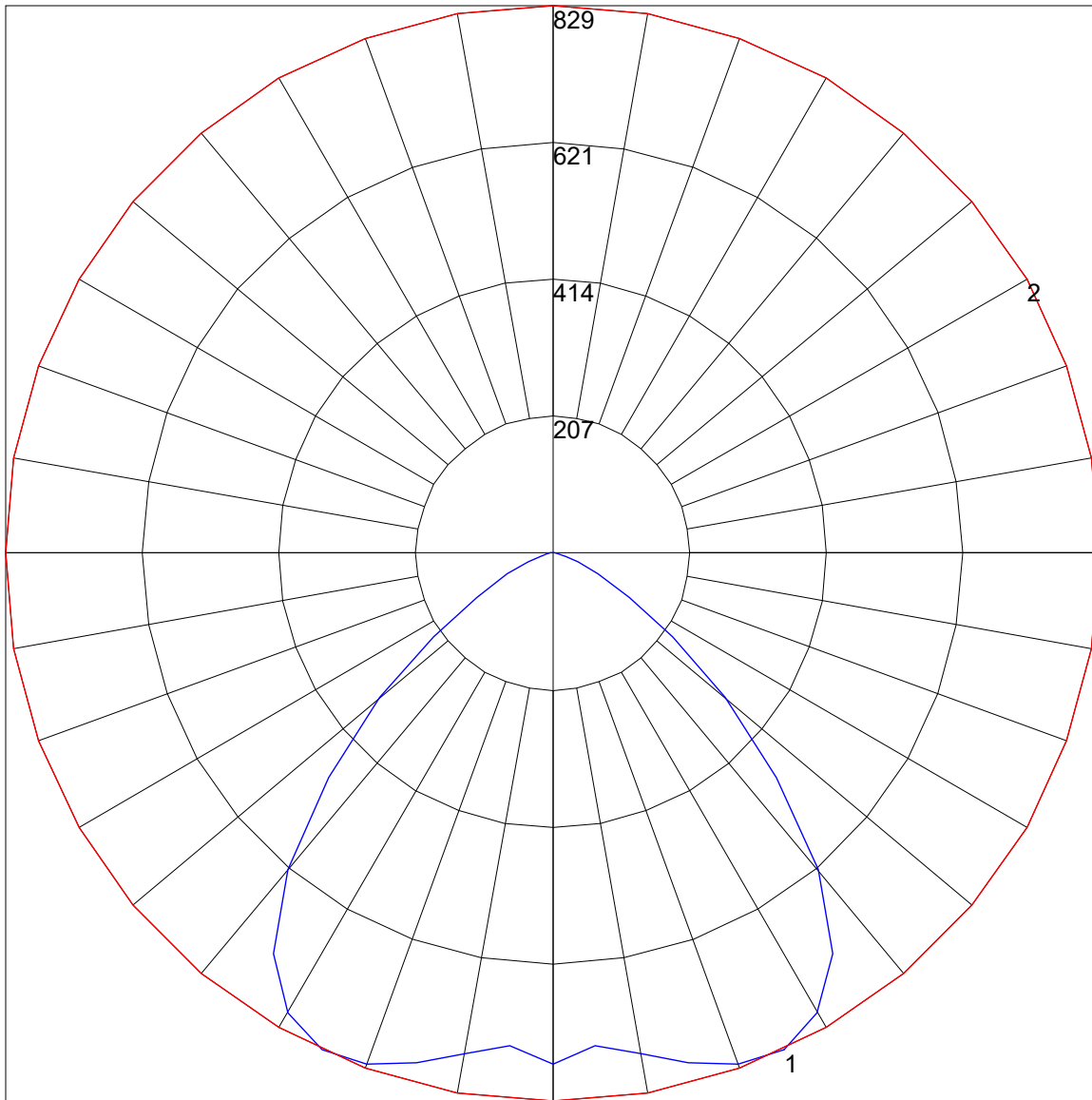
Reflectances

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	16.9	18.3	17.2	18.6	18.9	16.7	18.1	17.1	18.4	18.8
	3H	17.2	18.4	17.5	18.7	19.1	17.0	18.3	17.4	18.6	19.0
	4H	17.2	18.3	17.6	18.7	19.1	17.1	18.2	17.5	18.5	18.9
	6H	17.2	18.2	17.6	18.6	19.0	17.0	18.1	17.4	18.4	18.8
	8H	17.1	18.1	17.5	18.5	18.9	17.0	18.0	17.4	18.4	18.8
	12H	17.1	18.0	17.5	18.4	18.8	16.9	17.9	17.4	18.3	18.7
4H	2H	16.9	18.1	17.3	18.4	18.8	16.8	17.9	17.2	18.3	18.7
	3H	17.3	18.2	17.7	18.6	19.0	17.2	18.1	17.6	18.5	18.9
	4H	17.3	18.1	17.7	18.6	19.0	17.2	18.0	17.6	18.4	18.9
	6H	17.3	18.0	17.8	18.5	18.9	17.2	17.9	17.6	18.3	18.8
	8H	17.3	17.9	17.7	18.4	18.8	17.1	17.8	17.6	18.3	18.7
	12H	17.2	17.8	17.7	18.3	18.8	17.1	17.7	17.6	18.2	18.6
8H	4H	17.2	17.9	17.7	18.4	18.8	17.1	17.8	17.6	18.2	18.7
	6H	17.2	17.8	17.7	18.3	18.7	17.1	17.6	17.6	18.1	18.6
	8H	17.2	17.7	17.7	18.2	18.7	17.1	17.5	17.6	18.1	18.6
	12H	17.1	17.6	17.6	18.1	18.6	17.0	17.5	17.5	17.9	18.5
12H	4H	17.2	17.8	17.7	18.3	18.7	17.1	17.7	17.6	18.2	18.6
	6H	17.2	17.7	17.7	18.1	18.7	17.1	17.5	17.6	18.0	18.6
	8H	17.1	17.6	17.6	18.1	18.6	17.0	17.5	17.5	17.9	18.5

Maximum UGR = 19.1

POLAR GRAPH



Maximum Candela = 828.652 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)