

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL716LEDHTHOWT18120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Aug 02 11:31:34 2019

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT] OUTDOOR LUMINAIRE

[OTHER] FLOOD

[LUMINAIRE] BL716LEDHTHOWT18120-277V_P

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

[LAMPCAT] SPMWHT221MD5WAT0S0

[OTHER]

IESNA:LM-63-2002

[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	3528
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	40
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.46
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.38
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	30460	27702	31825
55	15294	13591	16168
65	5888	5088	6315
75	1930	1608	2112
85	295	233	334

CANDELA TABULATION

	<u>0</u>
0	1464.160
5	1432.255
10	1480.143
15	1538.003
20	1594.487
25	1608.336
30	1557.801
35	1437.629
40	1217.144
45	936.517
50	665.505
55	432.643
60	259.366
65	147.016
70	78.852
75	40.319
80	18.657
85	4.782
90	0.017
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	0.009
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	576.01	N.A.	16.30
0-30	1312.6	N.A.	37.20
0-40	2196.63	N.A.	62.30
0-60	3317.84	N.A.	94.00
0-80	3520.75	N.A.	99.80
0-90	3528.43	N.A.	100.00
10-90	3389.62	N.A.	96.10
20-40	1620.62	N.A.	45.90
20-50	2343.1	N.A.	66.40
40-70	1277.19	N.A.	36.20
60-80	202.91	N.A.	5.80
70-80	46.93	N.A.	1.30
80-90	7.68	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	0.01	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3528.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	138.81
10-20	437.20
20-30	736.59
30-40	884.03
40-50	722.48
50-60	398.73
60-70	155.98
70-80	46.93
80-90	7.68
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	64	60	56	54
6	76	65	57	51	75	64	56	51	62	55	50	60	55	50	59	54	50	48
7	71	59	51	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	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	37	33	32

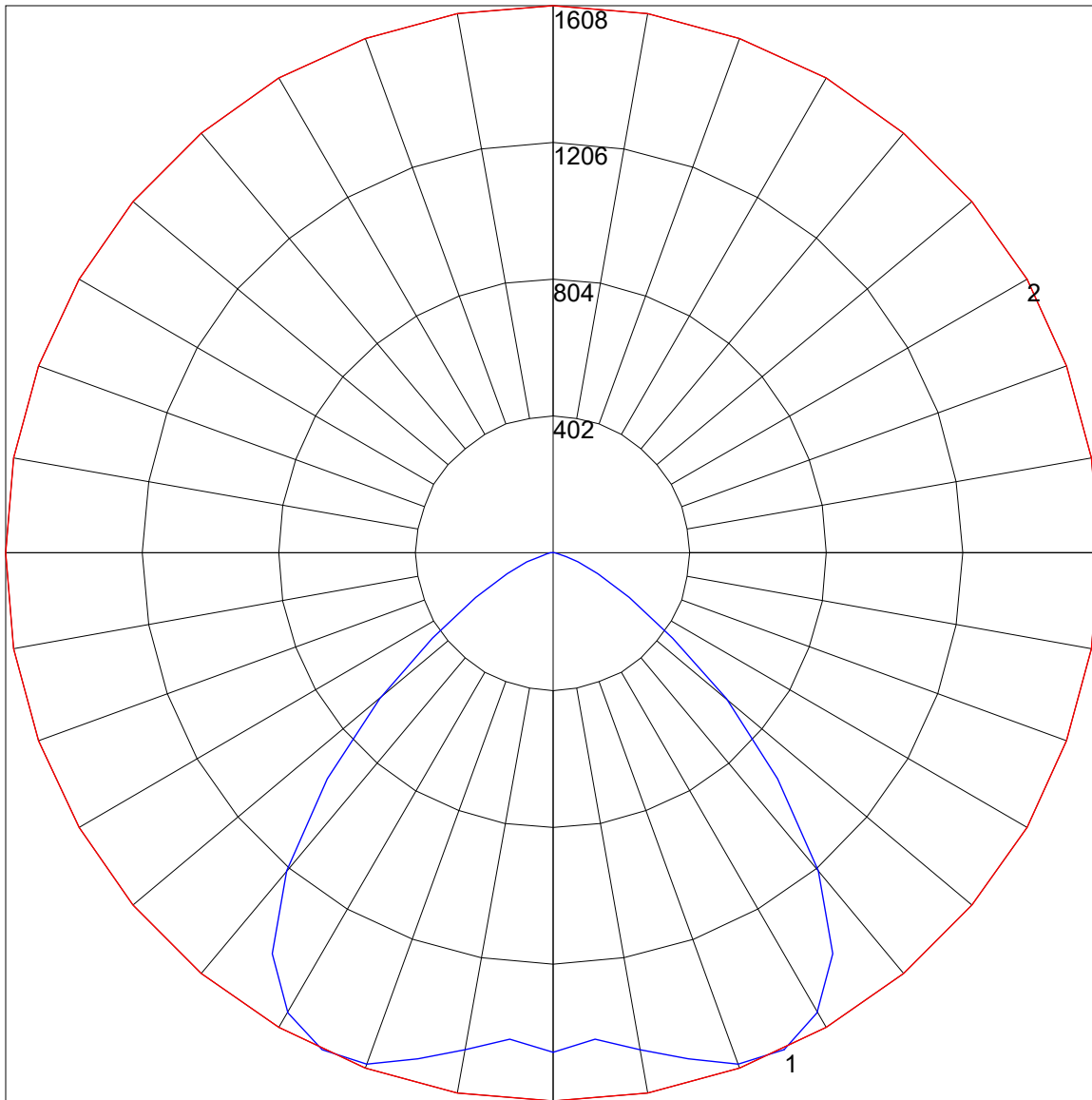
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UGR TABLE - CORRECTED

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	19.2	20.6	19.6	20.9	21.2	19.1	20.5	19.5	20.8	21.1
	3H	19.5	20.7	19.9	21.1	21.4	19.4	20.6	19.8	20.9	21.3
	4H	19.5	20.7	19.9	21.0	21.4	19.4	20.5	19.8	20.9	21.3
	6H	19.5	20.5	19.9	20.9	21.3	19.4	20.4	19.8	20.8	21.2
	8H	19.5	20.4	19.9	20.8	21.2	19.3	20.3	19.8	20.7	21.1
	12H	19.4	20.4	19.8	20.7	21.2	19.3	20.2	19.7	20.6	21.0
4H	2H	19.3	20.4	19.7	20.7	21.1	19.1	20.3	19.5	20.6	21.0
	3H	19.6	20.5	20.0	21.0	21.4	19.5	20.4	19.9	20.8	21.2
	4H	19.6	20.5	20.1	20.9	21.3	19.5	20.4	20.0	20.8	21.2
	6H	19.6	20.4	20.1	20.8	21.3	19.5	20.2	20.0	20.7	21.1
	8H	19.6	20.3	20.1	20.7	21.2	19.5	20.1	19.9	20.6	21.1
	12H	19.6	20.1	20.0	20.6	21.1	19.4	20.0	19.9	20.5	21.0
8H	4H	19.6	20.2	20.1	20.7	21.2	19.5	20.1	19.9	20.6	21.0
	6H	19.6	20.1	20.1	20.6	21.1	19.4	20.0	19.9	20.5	21.0
	8H	19.5	20.0	20.0	20.5	21.0	19.4	19.9	19.9	20.4	20.9
	12H	19.5	19.9	20.0	20.4	21.0	19.3	19.8	19.9	20.3	20.9
12H	4H	19.5	20.1	20.0	20.6	21.1	19.4	20.0	19.9	20.5	21.0
	6H	19.5	20.0	20.0	20.5	21.0	19.4	19.9	19.9	20.3	20.9
	8H	19.5	19.9	20.0	20.4	21.0	19.3	19.8	19.9	20.3	20.9

Maximum UGR = 21.4

POLAR GRAPH



Maximum Candela = 1608.336 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.)