

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL716LEDHTMOWT18120-277V_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 08:35:22 2019

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT] OUTDOOR LUMINAIRE

[OTHER] FLOOD

[LUMINAIRE] BL716LEDHTMOWT18120-277V_P

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

[LAMPCAT] SPMWHT221MD5WAT0S0

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	2677
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	30
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	23060	20972	24093
55	11560	10273	12220
65	4451	3847	4774
75	1456	1213	1593
85	221	175	250

CANDELA TABULATION

	<u>0</u>
0	1132.735
5	1101.162
10	1132.823
15	1173.342
20	1213.225
25	1221.055
30	1182.992
35	1089.081
40	921.649
45	708.985
50	503.194
55	327.017
60	196.053
65	111.140
70	59.498
75	30.424
80	14.093
85	3.580
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	0.000
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	440.11	N.A.	16.40
0-30	999.65	N.A.	37.30
0-40	1669.71	N.A.	62.40
0-60	2517.99	N.A.	94.10
0-80	2671.29	N.A.	99.80
0-90	2677.08	N.A.	100.00
10-90	2570.46	N.A.	96.00
20-40	1229.6	N.A.	45.90
20-50	1776.46	N.A.	66.40
40-70	966.17	N.A.	36.10
60-80	153.30	N.A.	5.70
70-80	35.42	N.A.	1.30
80-90	5.79	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	2677.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.62
10-20	333.49
20-30	559.55
30-40	670.05
40-50	546.86
50-60	301.42
60-70	117.89
70-80	35.42
80-90	5.79
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	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	66	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	37	34	32

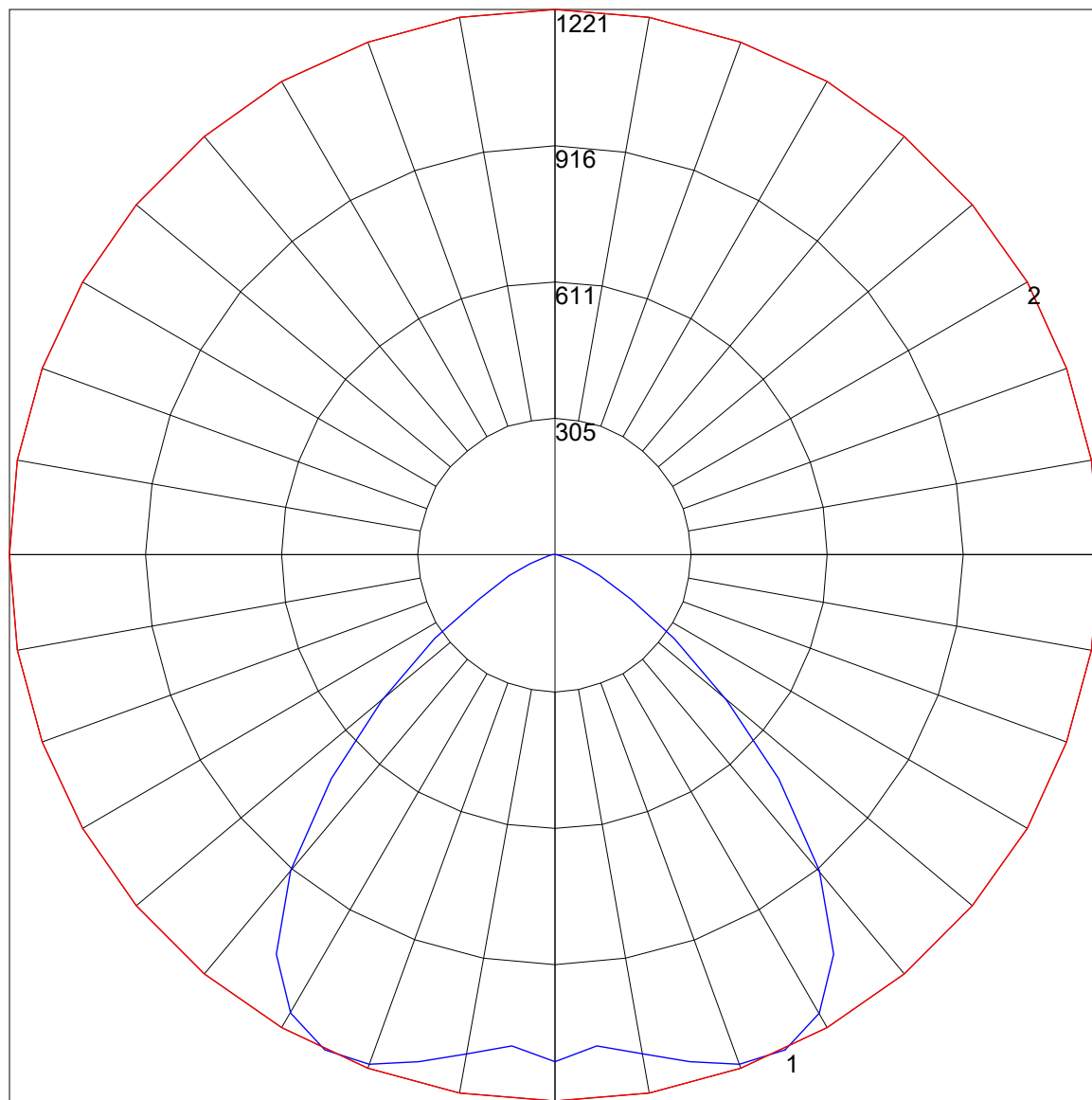
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UGR TABLE - CORRECTED

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	18.2	19.6	18.5	19.9	20.2	18.1	19.4	18.4	19.8	20.1
	3H	18.5	19.7	18.8	20.0	20.4	18.3	19.6	18.7	19.9	20.3
	4H	18.5	19.6	18.9	20.0	20.4	18.4	19.5	18.8	19.9	20.2
	6H	18.5	19.5	18.9	19.9	20.3	18.3	19.4	18.8	19.7	20.1
	8H	18.4	19.4	18.9	19.8	20.2	18.3	19.3	18.7	19.7	20.1
	12H	18.4	19.3	18.8	19.7	20.2	18.3	19.2	18.7	19.6	20.0
4H	2H	18.2	19.4	18.6	19.7	20.1	18.1	19.3	18.5	19.6	20.0
	3H	18.6	19.5	19.0	19.9	20.3	18.5	19.4	18.9	19.8	20.2
	4H	18.6	19.5	19.1	19.9	20.3	18.5	19.3	18.9	19.8	20.2
	6H	18.6	19.3	19.1	19.8	20.2	18.5	19.2	18.9	19.6	20.1
	8H	18.6	19.2	19.0	19.7	20.2	18.5	19.1	18.9	19.6	20.0
	12H	18.5	19.1	19.0	19.6	20.1	18.4	19.0	18.9	19.5	20.0
8H	4H	18.6	19.2	19.0	19.7	20.1	18.4	19.1	18.9	19.5	20.0
	6H	18.5	19.1	19.0	19.6	20.0	18.4	19.0	18.9	19.4	19.9
	8H	18.5	19.0	19.0	19.5	20.0	18.4	18.9	18.9	19.4	19.9
	12H	18.4	18.9	18.9	19.4	19.9	18.3	18.8	18.8	19.3	19.8
12H	4H	18.5	19.1	19.0	19.6	20.1	18.4	19.0	18.9	19.5	19.9
	6H	18.5	19.0	19.0	19.4	20.0	18.4	18.9	18.9	19.3	19.9
	8H	18.4	18.9	18.9	19.4	19.9	18.3	18.8	18.8	19.3	19.8

Maximum UGR = 20.4

POLAR GRAPH



Maximum Candela = 1221.055 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.)