



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL716LEDHTMOWT30120-277_S.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]

[LUMINAIRE] BL716LEDHTMOWT30120-277

[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	3074
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BL716LEDHTMOWT30120-277_S.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	26475	24078	27662
55	13273	11794	14030
65	5110	4416	5481
75	1672	1393	1829
85	254	201	287

CANDELA TABULATION

	<u>0</u>
0	1300.50
5	1264.25
10	1300.60
15	1347.12
20	1392.91
25	1401.90
30	1358.20
35	1250.38
40	1058.15
45	813.99
50	577.72
55	375.45
60	225.09
65	127.60
70	68.31
75	34.93
80	16.18
85	4.11
90	0.02
95	0.00
100	0.00
105	0.00
110	0.00
115	0.00
120	0.00
125	0.00
130	0.00
135	0.00
140	0.00
145	0.00
150	0.00
155	0.00
160	0.00
165	0.00
170	0.00
175	0.00
180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BL716LEDHTMOWT30120-277_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	505.29	N.A.	16.40
0-30	1147.71	N.A.	37.30
0-40	1917.00	N.A.	62.40
0-60	2890.92	N.A.	94.10
0-80	3066.93	N.A.	99.80
0-90	3073.57	N.A.	100.00
10-90	2951.16	N.A.	96.00
20-40	1411.71	N.A.	45.90
20-50	2039.57	N.A.	66.40
40-70	1109.27	N.A.	36.10
60-80	176.01	N.A.	5.70
70-80	40.66	N.A.	1.30
80-90	6.64	N.A.	0.20
90-110	0.01	N.A.	0.00
90-120	0.01	N.A.	0.00
90-130	0.01	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	3073.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	122.41
10-20	382.88
20-30	642.42
30-40	769.29
40-50	627.86
50-60	346.06
60-70	135.35
70-80	40.66
80-90	6.64
90-100	0.01
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

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : BL716LEDHTMOWT30120-277_S.IES

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	105	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	49	45	54	49	45	43
8	66	54	46	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BL716LEDHTMOWT30120-277_S.IES

UGR TABLE - CORRECTED

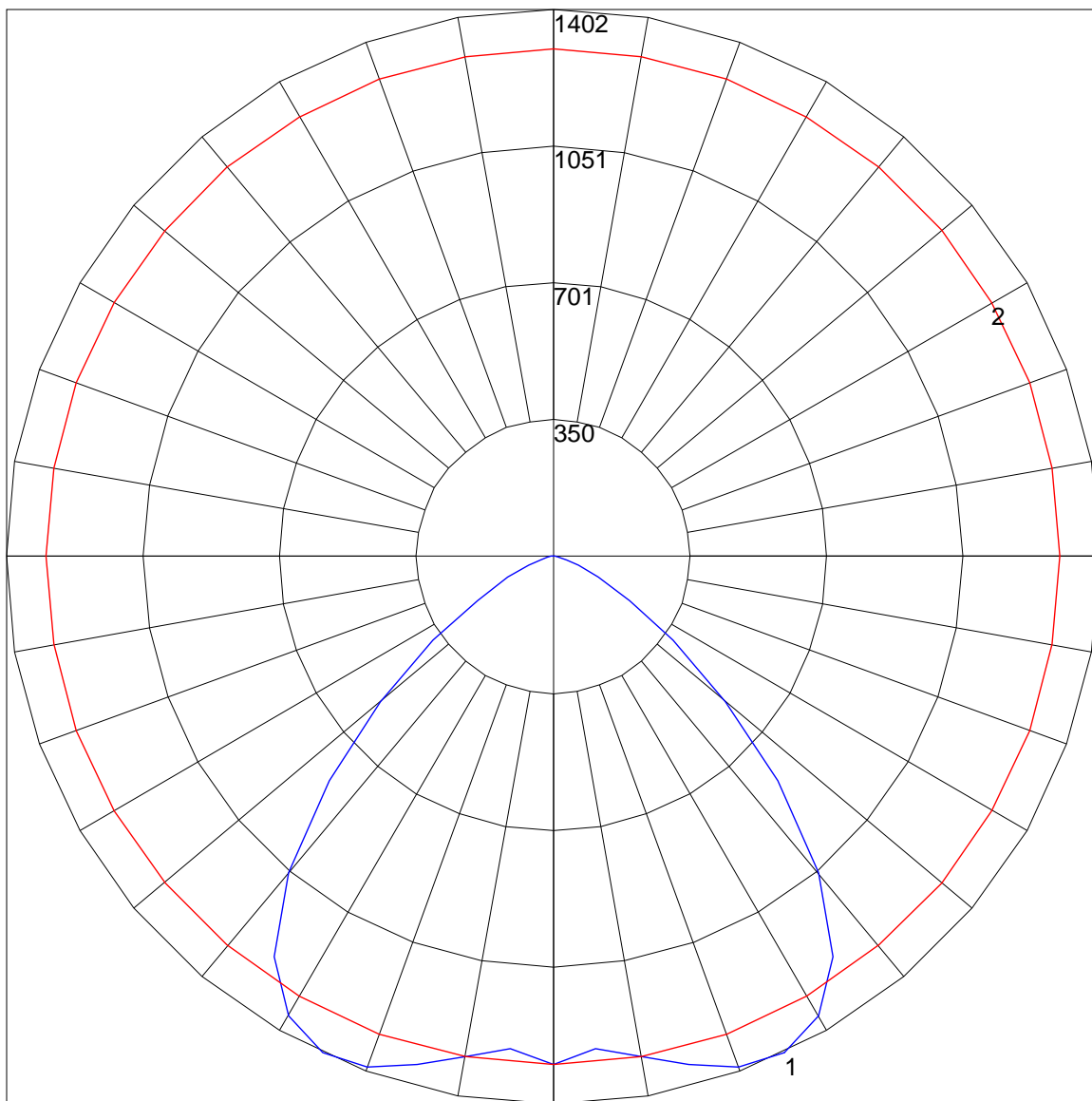
Reflectances

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	22.5	23.9	22.8	24.2	24.5	22.5	23.9	22.8	24.2	24.5
	3H	22.8	24.0	23.1	24.3	24.7	22.8	24.0	23.1	24.3	24.7
	4H	22.8	23.9	23.2	24.3	24.6	22.8	23.9	23.2	24.3	24.6
	6H	22.7	23.8	23.1	24.2	24.5	22.7	23.8	23.1	24.2	24.5
	8H	22.7	23.7	23.1	24.1	24.5	22.7	23.7	23.1	24.1	24.5
	12H	22.7	23.6	23.1	24.0	24.4	22.7	23.6	23.1	24.0	24.4
4H	2H	22.5	23.7	22.9	24.0	24.4	22.5	23.7	22.9	24.0	24.4
	3H	22.9	23.8	23.3	24.2	24.6	22.9	23.8	23.3	24.2	24.6
	4H	22.9	23.7	23.3	24.2	24.6	22.9	23.7	23.3	24.2	24.6
	6H	22.9	23.6	23.4	24.1	24.5	22.9	23.6	23.4	24.1	24.5
	8H	22.9	23.5	23.3	24.0	24.4	22.9	23.5	23.3	24.0	24.4
	12H	22.8	23.4	23.3	23.9	24.4	22.8	23.4	23.3	23.9	24.4
8H	4H	22.8	23.5	23.3	23.9	24.4	22.8	23.5	23.3	23.9	24.4
	6H	22.8	23.4	23.3	23.9	24.3	22.8	23.4	23.3	23.9	24.3
	8H	22.8	23.3	23.3	23.8	24.3	22.8	23.3	23.3	23.8	24.3
	12H	22.7	23.2	23.2	23.7	24.2	22.7	23.2	23.2	23.7	24.2
12H	4H	22.8	23.4	23.3	23.9	24.3	22.8	23.4	23.3	23.9	24.3
	6H	22.8	23.3	23.3	23.7	24.3	22.8	23.3	23.3	23.7	24.3
	8H	22.7	23.2	23.2	23.7	24.2	22.7	23.2	23.2	23.7	24.2

Maximum UGR = 24.7

POLAR GRAPH



Maximum Candela = 1401.9 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 (0)