



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL716LEDHTLOWT30120-277\_S.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

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

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BL716LEDHTLOWT30120-277

[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	2084
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BL716LEDHTLOWT30120-277\_S.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17918	16296	18721
55	8977	7977	9489
65	3461	2991	3712
75	1133	944	1240
85	173	137	195

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : BL716LEDHTLOWT30120-277\_S.IES

CANDELA TABULATION

	<u>0</u>
0	888.22
5	859.72
10	883.01
15	915.22
20	944.01
25	951.38
30	921.48
35	848.10
40	717.32
45	550.90
50	391.18
55	253.93
60	152.51
65	86.42
70	46.35
75	23.68
80	10.97
85	2.80
90	0.01
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 : BL716LEDHTLOWT30120-277\_S.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	343.14	N.A.	16.50
0-30	778.94	N.A.	37.40
0-40	1300.7	N.A.	62.40
0-60	1960.1	N.A.	94.10
0-80	2079.38	N.A.	99.80
0-90	2083.89	N.A.	100.00
10-90	2000.65	N.A.	96.00
20-40	957.57	N.A.	46.00
20-50	1382.75	N.A.	66.40
40-70	751.10	N.A.	36.00
60-80	119.28	N.A.	5.70
70-80	27.58	N.A.	1.30
80-90	4.51	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	2083.89	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	83.24
10-20	259.90
20-30	435.80
30-40	521.76
40-50	425.18
50-60	234.22
60-70	91.70
70-80	27.58
80-90	4.51
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

IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : BL716LEDHTLOWT30120-277\_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	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	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	38	34	32

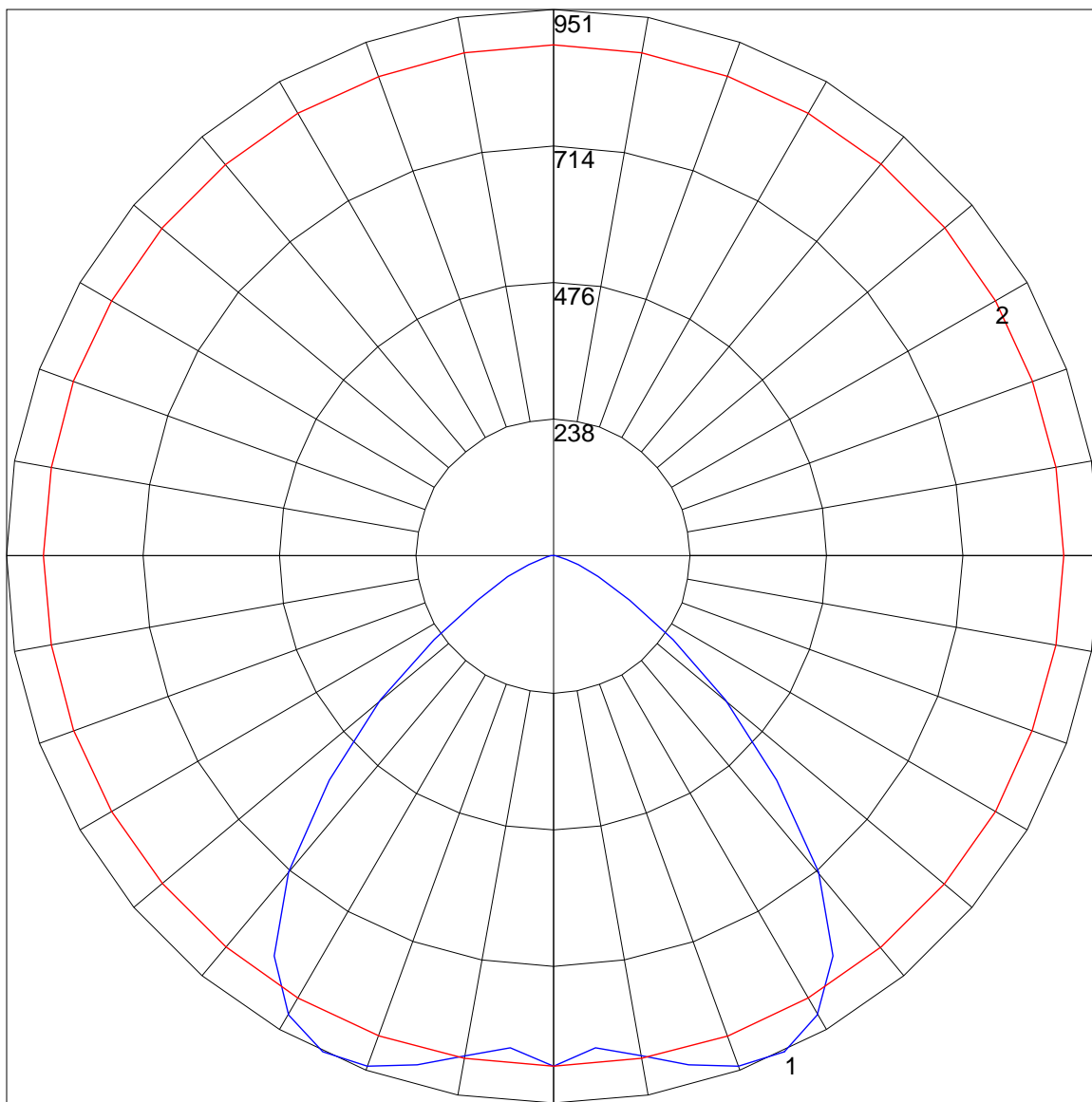
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BL716LEDHTLOWT30120-277\_S.IES**

**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	19.8	21.2	20.2	21.5	21.8	19.8	21.2	20.2	21.5	21.8
	3H	20.1	21.3	20.5	21.7	22.0	20.1	21.3	20.5	21.7	22.0
	4H	20.1	21.3	20.5	21.6	22.0	20.1	21.3	20.5	21.6	22.0
	6H	20.1	21.1	20.5	21.5	21.9	20.1	21.1	20.5	21.5	21.9
	8H	20.0	21.0	20.5	21.4	21.8	20.0	21.0	20.5	21.4	21.8
	12H	20.0	21.0	20.4	21.3	21.8	20.0	21.0	20.4	21.3	21.8
4H	2H	19.9	21.0	20.3	21.4	21.7	19.9	21.0	20.3	21.4	21.7
	3H	20.2	21.2	20.6	21.6	22.0	20.2	21.2	20.6	21.6	22.0
	4H	20.3	21.1	20.7	21.5	21.9	20.3	21.1	20.7	21.5	21.9
	6H	20.2	20.9	20.7	21.4	21.9	20.2	20.9	20.7	21.4	21.9
	8H	20.2	20.9	20.7	21.3	21.8	20.2	20.9	20.7	21.3	21.8
	12H	20.2	20.7	20.7	21.2	21.7	20.2	20.7	20.7	21.2	21.7
8H	4H	20.2	20.8	20.7	21.3	21.8	20.2	20.8	20.7	21.3	21.8
	6H	20.2	20.7	20.7	21.2	21.7	20.2	20.7	20.7	21.2	21.7
	8H	20.1	20.6	20.6	21.1	21.6	20.1	20.6	20.6	21.1	21.6
	12H	20.1	20.5	20.6	21.0	21.6	20.1	20.5	20.6	21.0	21.6
12H	4H	20.1	20.7	20.6	21.2	21.7	20.1	20.7	20.6	21.2	21.7
	6H	20.1	20.6	20.6	21.1	21.6	20.1	20.6	20.6	21.1	21.6
	8H	20.1	20.5	20.6	21.0	21.6	20.1	20.5	20.6	21.0	21.6

Maximum UGR = 22.0

POLAR GRAPH



Maximum Candela = 951.38 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)