

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL716LEDHTHOWT22120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Aug 02 11:31:34 2019

[TEST] 1

[MANUFAC] BEGHELLI

[LUMCAT] OUTDOOR LUMINAIRE

[OTHER] FLOOD

[LUMINAIRE] BL716LEDHTHOWT22120-277V_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	4371
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
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	37734	34318	39425
55	18947	16836	20028
65	7294	6303	7823
75	2390	1992	2616
85	366	289	414

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CANDELA TABULATION

	<u>0</u>
0	1813.810
5	1774.286
10	1833.609
15	1905.287
20	1975.261
25	1992.417
30	1929.813
35	1780.943
40	1507.805
45	1160.162
50	824.432
55	535.961
60	321.305
65	182.124
70	97.682
75	49.947
80	23.112
85	5.924
90	0.022
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	0.011
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	713.56	N.A.	16.30
0-30	1626.06	N.A.	37.20
0-40	2721.2	N.A.	62.30
0-60	4110.16	N.A.	94.00
0-80	4361.53	N.A.	99.80
0-90	4371.04	N.A.	100.00
10-90	4199.08	N.A.	96.10
20-40	2007.64	N.A.	45.90
20-50	2902.65	N.A.	66.40
40-70	1582.19	N.A.	36.20
60-80	251.37	N.A.	5.80
70-80	58.14	N.A.	1.30
80-90	9.52	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	4371.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.96
10-20	541.60
20-30	912.50
30-40	1095.14
40-50	895.01
50-60	493.95
60-70	193.23
70-80	58.14
80-90	9.52
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

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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	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	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

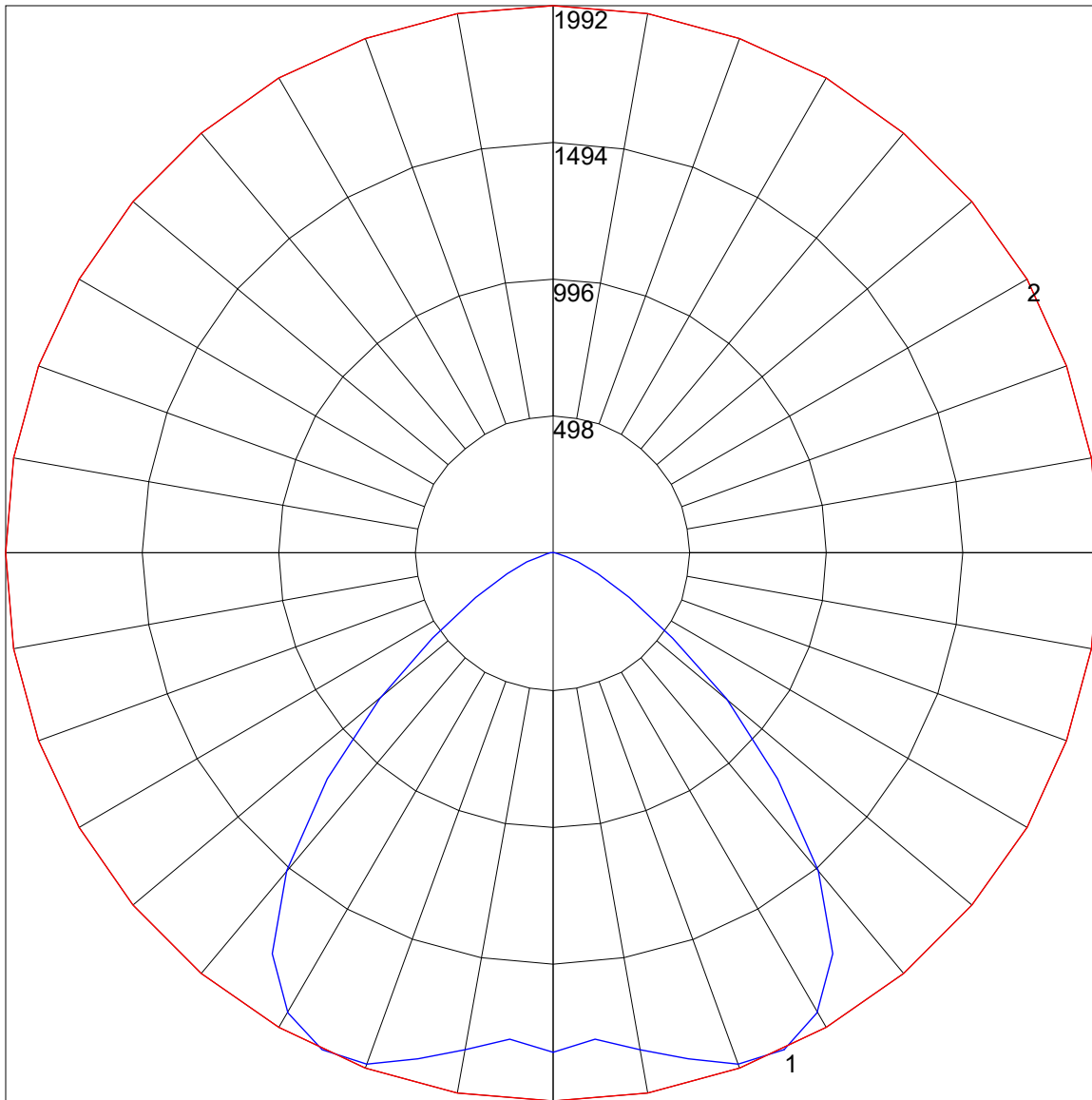
Room Size UGR Viewed Crosswise

UGR Viewed Endwise

X=2H	Y=2H	19.9	21.3	20.3	21.6	21.9	19.8	21.2	20.2	21.5	21.8
	3H	20.2	21.4	20.6	21.8	22.1	20.1	21.3	20.4	21.6	22.0
	4H	20.2	21.4	20.6	21.7	22.1	20.1	21.2	20.5	21.6	22.0
	6H	20.2	21.2	20.6	21.6	22.0	20.1	21.1	20.5	21.5	21.9
	8H	20.2	21.1	20.6	21.5	21.9	20.0	21.0	20.5	21.4	21.8
	12H	20.1	21.1	20.5	21.4	21.9	20.0	20.9	20.4	21.3	21.7
4H	2H	20.0	21.1	20.4	21.4	21.8	19.8	21.0	20.2	21.3	21.7
	3H	20.3	21.2	20.7	21.7	22.1	20.2	21.1	20.6	21.5	21.9
	4H	20.3	21.2	20.8	21.6	22.0	20.2	21.1	20.7	21.5	21.9
	6H	20.3	21.1	20.8	21.5	22.0	20.2	20.9	20.7	21.4	21.8
	8H	20.3	21.0	20.8	21.4	21.9	20.2	20.8	20.6	21.3	21.8
	12H	20.3	20.8	20.7	21.3	21.8	20.1	20.7	20.6	21.2	21.7
8H	4H	20.3	20.9	20.7	21.4	21.9	20.2	20.8	20.6	21.3	21.7
	6H	20.3	20.8	20.8	21.3	21.8	20.1	20.7	20.6	21.2	21.7
	8H	20.2	20.7	20.7	21.2	21.7	20.1	20.6	20.6	21.1	21.6
	12H	20.2	20.6	20.7	21.1	21.7	20.0	20.5	20.6	21.0	21.6
12H	4H	20.2	20.8	20.7	21.3	21.8	20.1	20.7	20.6	21.2	21.7
	6H	20.2	20.7	20.7	21.2	21.7	20.1	20.6	20.6	21.0	21.6
	8H	20.2	20.6	20.7	21.1	21.7	20.0	20.5	20.6	21.0	21.6

Maximum UGR = 22.1

POLAR GRAPH



Maximum Candela = 1992.417 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.)