

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL716LEDHTMOWT22120-277V_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] BL716LEDHTMOWT22120-277V_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	3316
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
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	28567	25980	29847
55	14321	12726	15139
65	5514	4765	5914
75	1804	1503	1974
85	274	216	310

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CANDELA TABULATION

	<u>0</u>
0	1403.239
5	1364.126
10	1403.347
15	1453.542
20	1502.950
25	1512.650
30	1465.498
35	1349.160
40	1141.744
45	878.295
50	623.360
55	405.111
60	242.872
65	137.680
70	73.706
75	37.689
80	17.458
85	4.435
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	0.000
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	545.21	N.A.	16.40
0-30	1238.38	N.A.	37.30
0-40	2068.44	N.A.	62.40
0-60	3119.31	N.A.	94.10
0-80	3309.22	N.A.	99.80
0-90	3316.38	N.A.	100.00
10-90	3184.3	N.A.	96.00
20-40	1523.23	N.A.	45.90
20-50	2200.69	N.A.	66.40
40-70	1196.9	N.A.	36.10
60-80	189.91	N.A.	5.70
70-80	43.87	N.A.	1.30
80-90	7.17	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	3316.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.08
10-20	413.13
20-30	693.17
30-40	830.07
40-50	677.46
50-60	373.40
60-70	146.04
70-80	43.87
80-90	7.17
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	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	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

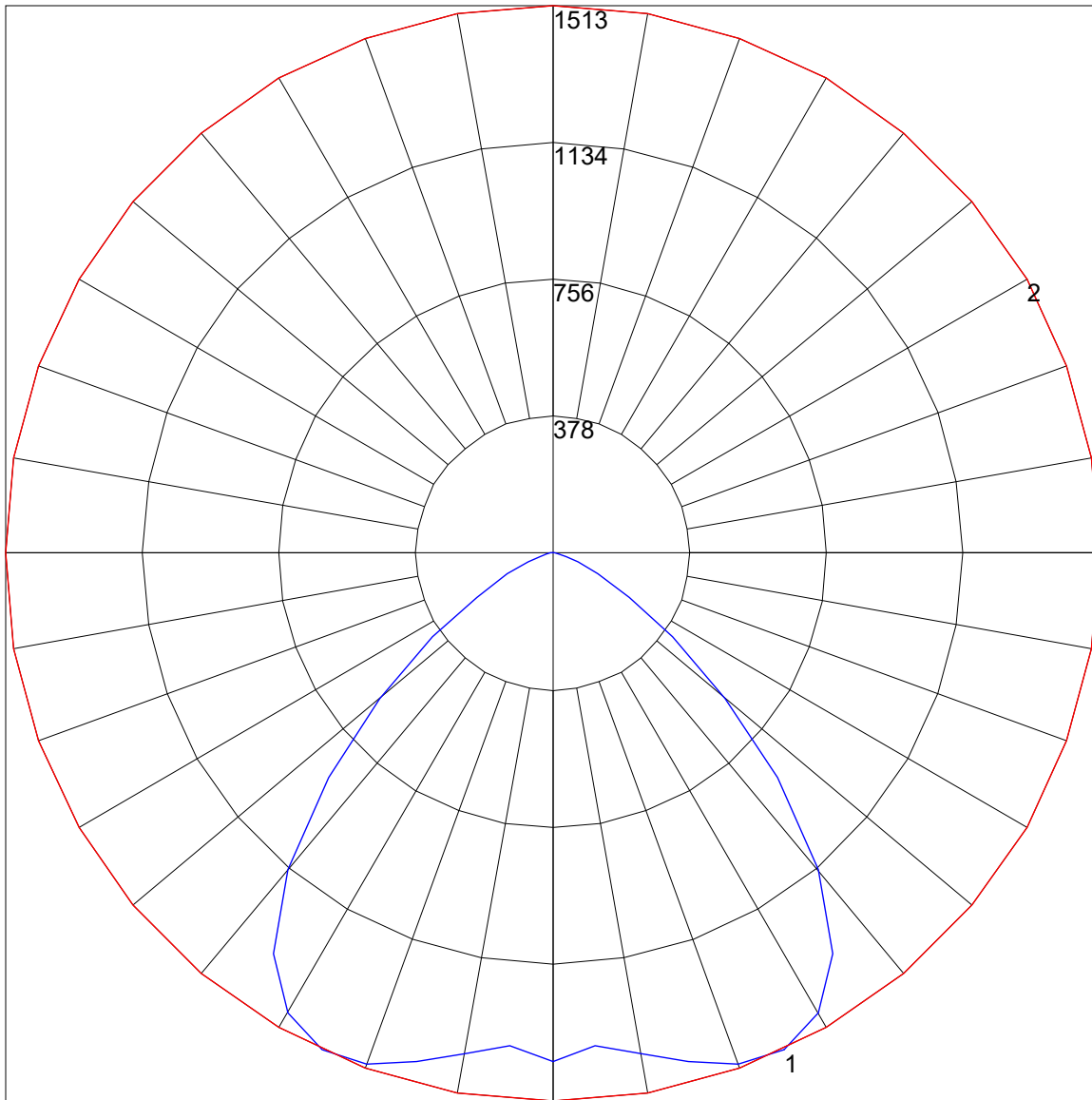
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UGR TABLE - CORRECTED

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	19.0	20.4	19.3	20.7	21.0	18.9	20.2	19.2	20.6	20.9
	3H	19.3	20.5	19.6	20.8	21.2	19.1	20.4	19.5	20.7	21.1
	4H	19.3	20.4	19.7	20.8	21.2	19.2	20.3	19.6	20.7	21.0
	6H	19.3	20.3	19.7	20.7	21.1	19.1	20.2	19.6	20.5	20.9
	8H	19.2	20.2	19.7	20.6	21.0	19.1	20.1	19.5	20.5	20.9
	12H	19.2	20.1	19.6	20.5	21.0	19.1	20.0	19.5	20.4	20.8
4H	2H	19.0	20.2	19.4	20.5	20.9	18.9	20.1	19.3	20.4	20.8
	3H	19.4	20.3	19.8	20.7	21.1	19.3	20.2	19.7	20.6	21.0
	4H	19.4	20.3	19.9	20.7	21.1	19.3	20.1	19.7	20.6	21.0
	6H	19.4	20.1	19.9	20.6	21.0	19.3	20.0	19.7	20.4	20.9
	8H	19.4	20.0	19.8	20.5	21.0	19.3	19.9	19.7	20.4	20.8
	12H	19.3	19.9	19.8	20.4	20.9	19.2	19.8	19.7	20.3	20.8
8H	4H	19.4	20.0	19.8	20.5	20.9	19.2	19.9	19.7	20.3	20.8
	6H	19.3	19.9	19.8	20.4	20.8	19.2	19.8	19.7	20.2	20.7
	8H	19.3	19.8	19.8	20.3	20.8	19.2	19.7	19.7	20.2	20.7
	12H	19.2	19.7	19.7	20.2	20.7	19.1	19.6	19.6	20.1	20.6
12H	4H	19.3	19.9	19.8	20.4	20.9	19.2	19.8	19.7	20.3	20.7
	6H	19.3	19.8	19.8	20.2	20.8	19.2	19.7	19.7	20.1	20.7
	8H	19.2	19.7	19.7	20.2	20.7	19.1	19.6	19.6	20.1	20.6

Maximum UGR = 21.2

POLAR GRAPH



Maximum Candela = 1512.65 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.)