



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS400LEDPLUSHTMOWT40120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Thu Oct 18 13:09:55 2018

[TEST] 1

[MANUFAC]

[LUMCAT]

[LUMINAIRE] BS400LEDPLUSHTMOWT40120-277V

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

[LAMPCAT] SPMWHT221MD5WAT0S0

[OTHER]

IESNA:LM-63-2002[TEST] 6,552

[TESTLAB] CSA Group

[ISSUEDATE] 7/24/2013 1:09:24 PM

[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	57.77 (256 lamps)
Total Lamp Lumens	14789.12
Luminaire Lumens	12887
Total Luminaire Efficiency	87 %
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	100
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.48
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.45 ft
Luminous Width (90-270)	1.45 ft
Luminous Height	0.28 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20168	18915	20168
55	15074	13848	15074
65	9798	8747	9798
75	6011	5128	6011
85	3869	3014	3869

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CANDELA TABULATION

	<u>0</u>
0.0	4324.43
2.5	4342.34
5.0	4332.68
7.5	4331.74
10.0	4337.28
12.5	4348.70
15.0	4345.54
17.5	4348.62
20.0	4355.74
22.5	4364.21
25.0	4372.56
27.5	4366.36
30.0	4340.40
32.5	4274.28
35.0	4172.95
37.5	4024.93
40.0	3835.11
42.5	3603.83
45.0	3336.21
47.5	3044.55
50.0	2751.05
52.5	2454.89
55.0	2161.22
57.5	1877.15
60.0	1610.26
62.5	1363.86
65.0	1146.01
67.5	952.86
70.0	786.58
72.5	644.35
75.0	523.00
77.5	421.40
80.0	337.25
82.5	267.78
85.0	210.53
87.5	158.59
90.0	120.11
92.5	99.06
95.0	83.79
97.5	71.59
100.0	62.16
102.5	53.85
105.0	46.44
107.5	39.70
110.0	33.44
112.5	28.21
115.0	22.98
117.5	18.68
120.0	14.82
122.5	11.42
125.0	8.42
127.5	6.13
130.0	4.23
132.5	2.78

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CANDELA TABULATION - (Cont.)

135.0	1.70
137.5	1.13
140.0	0.88
142.5	0.66
145.0	0.51
147.5	0.44
150.0	0.30
152.5	0.27
155.0	0.20
157.5	0.12
160.0	0.10
162.5	0.07
165.0	0.04
167.5	0.03
170.0	0.02
172.5	0.02
175.0	0.02
177.5	0.02
180.0	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1646.22	11.10	12.80
0-30	3665.51	24.80	28.40
0-40	6260.1	42.30	48.60
0-60	10754.86	72.70	83.50
0-80	12473.39	84.30	96.80
0-90	12709.2	85.90	98.60
10-90	12295.47	83.10	95.40
20-40	4613.88	31.20	35.80
20-50	7172.99	48.50	55.70
40-70	5646.23	38.20	43.80
60-80	1718.54	11.60	13.30
70-80	567.06	3.80	4.40
80-90	235.81	1.60	1.80
90-110	144.11	1.00	1.10
90-120	167.55	1.10	1.30
90-130	175.61	1.20	1.40
90-150	177.57	1.20	1.40
90-180	177.69	1.20	1.40
110-180	33.58	0.20	0.30
0-180	12886.89	87.10	100.00

Total Luminaire Efficiency = 87.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	413.73
10-20	1232.49
20-30	2019.29
30-40	2594.59
40-50	2559.12
50-60	1935.64
60-70	1151.47
70-80	567.06
80-90	235.81
90-100	94.33
100-110	49.78
110-120	23.44
120-130	8.05
130-140	1.62
140-150	0.35
150-160	0.09
160-170	0.02
170-180	0.00

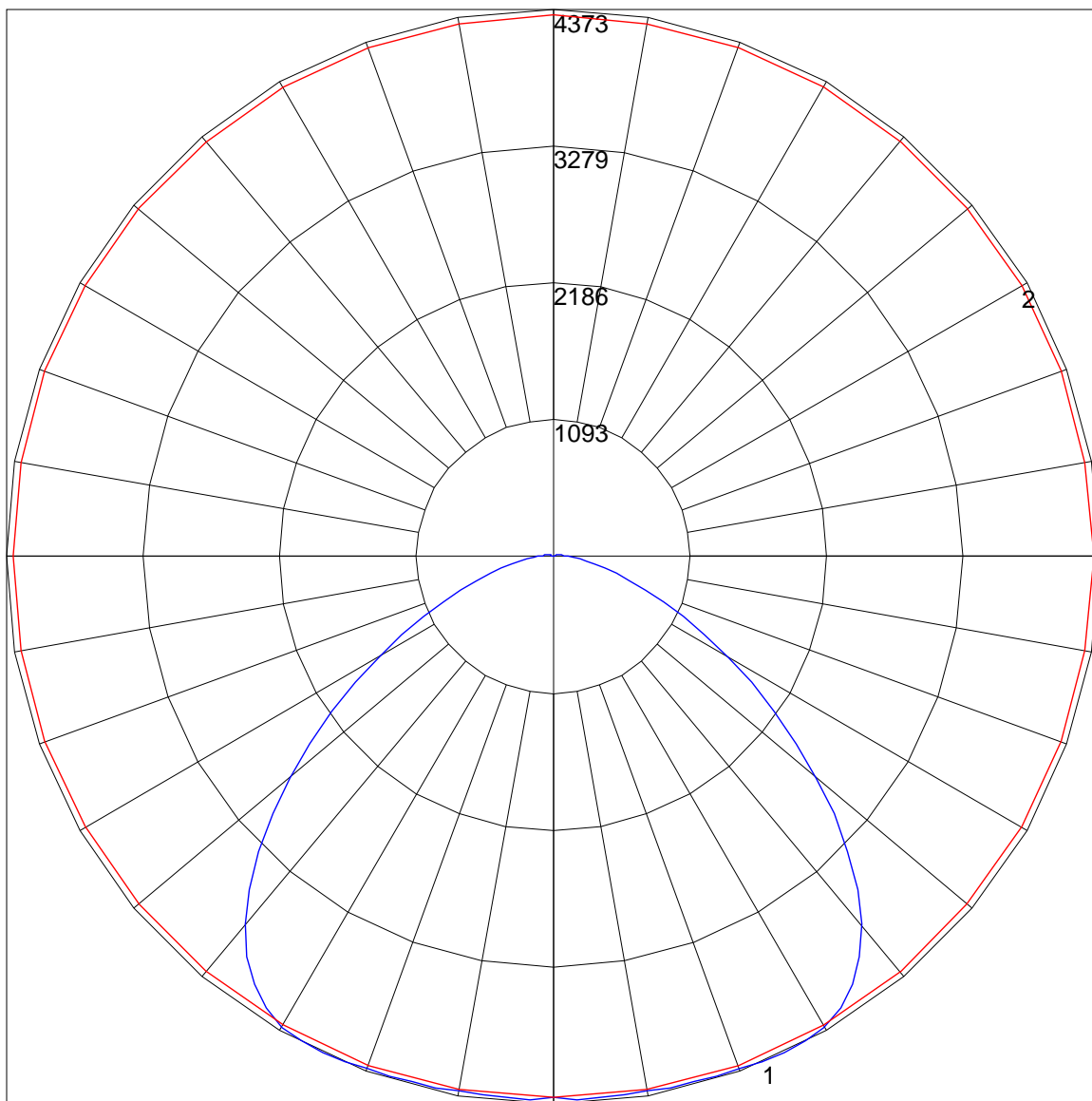
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	101	101	101	101	96	96	96	92	92	92	88	88	88	86
1	95	91	88	85	93	89	86	83	85	83	80	82	80	78	78	77	75	73
2	87	80	75	70	85	79	73	69	75	71	67	72	69	66	70	67	64	62
3	80	71	64	59	77	70	63	58	67	61	57	64	60	56	62	58	55	53
4	73	63	56	50	71	62	55	50	60	54	49	58	52	48	56	51	47	46
5	67	57	49	43	66	56	48	43	54	47	43	52	46	42	50	45	41	40
6	62	51	43	38	61	50	43	38	48	42	37	47	41	37	45	40	37	35
7	58	46	39	34	56	45	38	33	44	38	33	43	37	33	41	36	32	31
8	54	42	35	30	52	42	35	30	40	34	30	39	33	29	38	33	29	27
9	50	39	32	27	49	38	31	27	37	31	27	36	30	26	35	30	26	25
10	47	36	29	24	46	35	29	24	34	28	24	33	28	24	32	27	24	22

POLAR GRAPH



Maximum Candela = 4372.56 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)