

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS400LEDHTLOWT30120-277V_S.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] Photopia 2024.2.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Tue Aug 26 11:24:29 2025

[TEST] 1

[MANUFAC]

[LUMCAT]

[LUMINAIRE] BS400LEDHTLOWT30120-277V_S

[LAMP] LED 6.09W 12" Fortimo 24 LED linear module (130mA)

[LAMPCAT] LED Strip 1ft 1100lm 840 NA LV4

[OTHER]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3992
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	29.996
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.76
Spacing Criterion (90-270)	1.76
Spacing Criterion (Diagonal)	1.90
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.45 ft
Luminous Width (90-270)	1.45 ft
Luminous Height	0.27 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4140	3887	4140
55	4760	4379	4760
65	5397	4827	5397
75	5887	5032	5887
85	6491	5063	6491

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS400LEDHTLOWT30120-277V_S.IES

CANDELA TABULATION

	<u>0</u>
0	581.23
5	581.01
10	596.34
15	611.82
20	631.53
25	644.91
30	660.11
35	669.55
40	679.62
45	682.55
50	684.64
55	679.31
60	661.16
65	627.43
70	575.23
75	507.72
80	429.75
85	347.99
90	271.73
95	201.81
100	142.72
105	96.10
110	59.79
115	33.51
120	17.12
125	7.56
130	2.95
135	1.49
140	1.15
145	0.83
150	0.68
155	0.42
160	0.28
165	0.10
170	0.06
175	0.00
180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS400LEDHTLOWT30120-277V_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	230.15	N.A.	5.80
0-30	529.17	N.A.	13.30
0-40	950.08	N.A.	23.80
0-60	2084.97	N.A.	52.20
0-80	3236.65	N.A.	81.10
0-90	3617.67	N.A.	90.60
10-90	3561.66	N.A.	89.20
20-40	719.93	N.A.	18.00
20-50	1248.4	N.A.	31.30
40-70	1752.67	N.A.	43.90
60-80	1151.69	N.A.	28.90
70-80	533.91	N.A.	13.40
80-90	381.01	N.A.	9.50
90-110	327.92	N.A.	8.20
90-120	363.86	N.A.	9.10
90-130	371.85	N.A.	9.30
90-150	373.79	N.A.	9.40
90-180	374.04	N.A.	9.40
110-180	46.12	N.A.	1.20
0-180	3991.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	56.01
10-20	174.14
20-30	299.03
30-40	420.90
40-50	528.48
50-60	606.41
60-70	617.78
70-80	533.91
80-90	381.01
90-100	223.28
100-110	104.65
110-120	35.93
120-130	7.99
130-140	1.39
140-150	0.55
150-160	0.21
160-170	0.04
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS400LEDHTLOWT30120-277V_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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	102	95	89	83	98	92	86	81	85	81	77	80	76	73	75	72	69	66
2	90	80	71	63	86	77	69	62	71	65	59	67	61	56	62	57	53	50
3	81	68	58	50	77	66	56	49	61	53	47	57	50	45	53	47	43	40
4	73	59	48	41	70	57	47	40	53	45	38	49	42	36	46	40	35	32
5	67	52	41	34	64	50	40	33	47	38	32	44	36	30	41	34	29	27
6	61	46	36	29	58	44	35	28	42	33	27	39	32	26	36	30	25	22
7	56	41	31	25	54	40	31	24	37	29	23	35	28	22	33	26	22	19
8	52	37	28	21	50	36	27	21	34	26	20	32	25	20	30	24	19	17
9	48	34	25	19	46	33	24	19	31	23	18	29	22	17	27	21	17	15
10	45	31	22	17	43	30	22	17	28	21	16	27	20	15	25	19	15	13

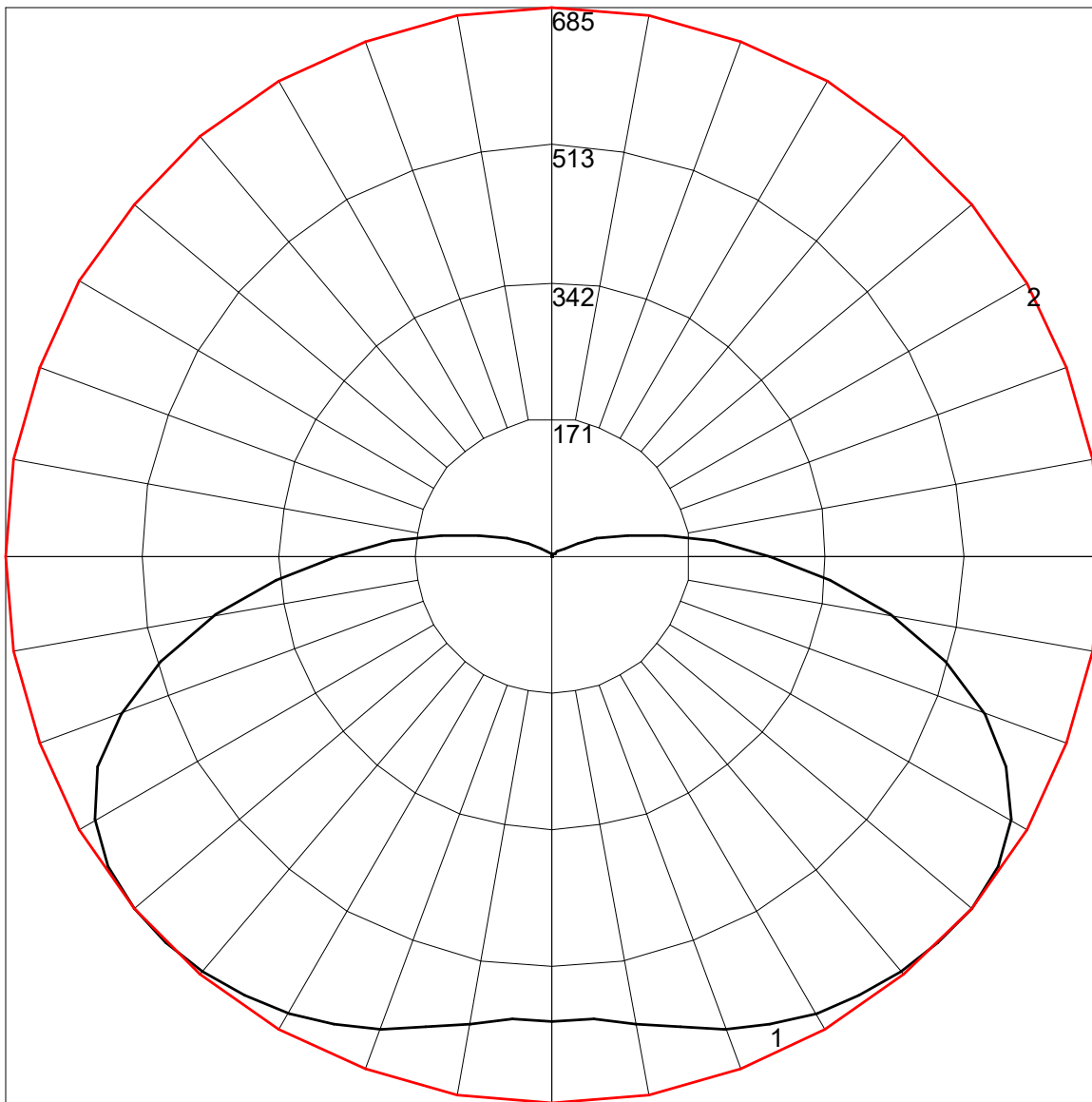
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS400LEDHTLOWT30120-277V_S.IES

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	17.0	18.6	17.5	19.1	19.7	17.0	18.6	17.5	19.1	19.7
	3H	19.8	21.3	20.3	21.8	22.4	19.8	21.3	20.3	21.8	22.4
	4H	21.0	22.5	21.5	23.0	23.6	21.0	22.5	21.5	23.0	23.6
	6H	22.1	23.5	22.7	24.0	24.6	22.1	23.5	22.7	24.0	24.6
	8H	22.7	24.0	23.2	24.5	25.1	22.7	24.0	23.2	24.5	25.1
	12H	23.2	24.4	23.7	25.0	25.6	23.2	24.4	23.7	25.0	25.6
4H	2H	17.9	19.3	18.4	19.8	20.4	17.9	19.3	18.4	19.8	20.4
	3H	20.8	22.1	21.3	22.6	23.2	20.8	22.1	21.3	22.6	23.2
	4H	22.2	23.4	22.7	23.9	24.6	22.2	23.4	22.7	23.9	24.6
	6H	23.5	24.6	24.1	25.1	25.8	23.5	24.6	24.1	25.1	25.8
	8H	24.1	25.1	24.7	25.7	26.3	24.1	25.1	24.7	25.7	26.3
	12H	24.7	25.6	25.3	26.2	26.9	24.7	25.6	25.3	26.2	26.9
8H	4H	22.7	23.7	23.3	24.3	25.0	22.7	23.7	23.3	24.3	25.0
	6H	24.2	25.1	24.8	25.7	26.4	24.2	25.1	24.8	25.7	26.4
	8H	24.9	25.7	25.5	26.4	27.0	24.9	25.7	25.5	26.4	27.0
	12H	25.7	26.4	26.3	27.0	27.8	25.7	26.4	26.3	27.0	27.8
12H	4H	22.8	23.7	23.4	24.4	25.0	22.8	23.7	23.4	24.4	25.0
	6H	24.4	25.2	25.0	25.8	26.5	24.4	25.2	25.0	25.8	26.5
	8H	25.2	25.9	25.8	26.5	27.3	25.2	25.9	25.8	26.5	27.3

Maximum UGR = 27.8

POLAR GRAPH



Maximum Candela = 684.64 Located At Horizontal Angle = 0, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)