

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS400LEDHTHOWT35120-277V_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 09:09:45 2025

[TEST] 1

[MANUFAC]

[LUMCAT]

[LUMINAIRE] BS400LEDHTHOWT35120-277V_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	8030
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	59.876
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.72
Spacing Criterion (90-270)	1.72
Spacing Criterion (Diagonal)	1.88
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	8357	7846	8357
55	9539	8775	9539
65	10841	9694	10841
75	11862	10139	11862
85	13055	10184	13055

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS400LEDHTHOWT35120-277V_S.IES

CANDELA TABULATION

	<u>0</u>
0	1205.47
5	1175.90
10	1195.57
15	1227.37
20	1267.32
25	1301.34
30	1332.52
35	1349.28
40	1368.62
45	1377.65
50	1375.65
55	1361.46
60	1327.55
65	1260.16
70	1155.64
75	1023.00
80	865.80
85	699.91
90	546.64
95	407.08
100	288.54
105	192.08
110	119.23
115	67.48
120	35.05
125	15.38
130	5.76
135	2.77
140	2.18
145	1.66
150	1.26
155	1.02
160	0.58
165	0.32
170	0.05
175	0.04
180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS400LEDHTHOWT35120-277V_S.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	462.63	N.A.	5.80
0-30	1065.35	N.A.	13.30
0-40	1913.73	N.A.	23.80
0-60	4195.26	N.A.	52.20
0-80	6510.89	N.A.	81.10
0-90	7277.64	N.A.	90.60
10-90	7164.34	N.A.	89.20
20-40	1451.1	N.A.	18.10
20-50	2515.94	N.A.	31.30
40-70	3522.31	N.A.	43.90
60-80	2315.63	N.A.	28.80
70-80	1074.85	N.A.	13.40
80-90	766.76	N.A.	9.50
90-110	660.12	N.A.	8.20
90-120	732.33	N.A.	9.10
90-130	748.58	N.A.	9.30
90-150	752.29	N.A.	9.40
90-180	752.85	N.A.	9.40
110-180	92.72	N.A.	1.20
0-180	8030.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.30
10-20	349.32
20-30	602.72
30-40	848.37
40-50	1064.84
50-60	1216.7
60-70	1240.77
70-80	1074.85
80-90	766.76
90-100	450.15
100-110	209.97
110-120	72.20
120-130	16.25
130-140	2.64
140-150	1.07
150-160	0.46
160-170	0.10
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS400LEDHTHOWT35120-277V_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	31	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	23	17	43	30	22	17	28	21	16	27	20	16	25	19	15	13

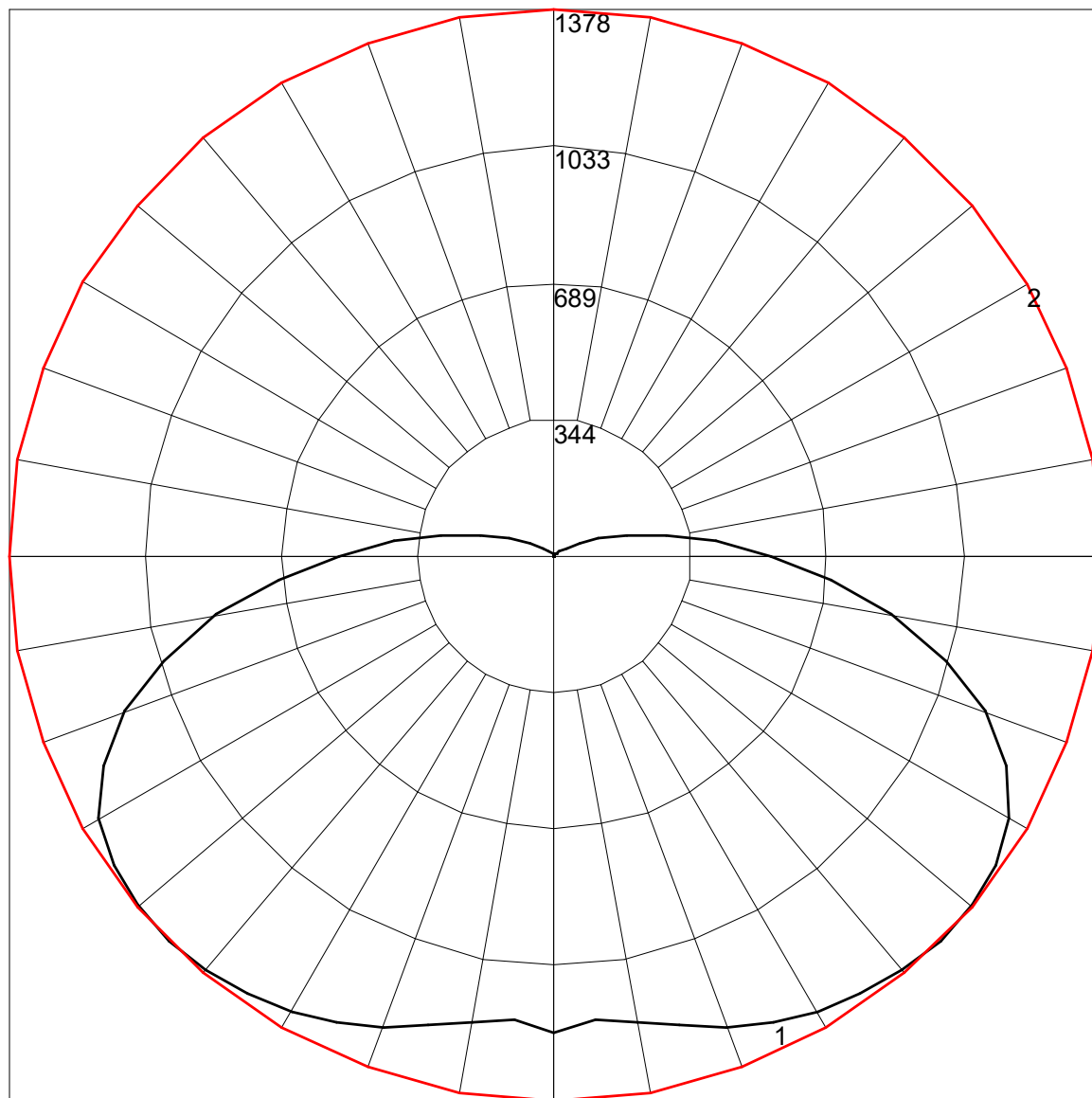
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BS400LEDHTHOWT35120-277V_S.IES

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	19.4	21.0	19.9	21.5	22.0	19.4	21.0	19.9	21.5	22.0
	3H	22.1	23.7	22.6	24.2	24.7	22.1	23.7	22.6	24.2	24.7
	4H	23.4	24.9	23.9	25.4	25.9	23.4	24.9	23.9	25.4	25.9
	6H	24.5	25.9	25.1	26.4	27.0	24.5	25.9	25.1	26.4	27.0
	8H	25.1	26.4	25.6	26.9	27.5	25.1	26.4	25.6	26.9	27.5
	12H	25.6	26.8	26.1	27.4	28.0	25.6	26.8	26.1	27.4	28.0
4H	2H	20.2	21.7	20.8	22.2	22.8	20.2	21.7	20.8	22.2	22.8
	3H	23.2	24.5	23.7	25.0	25.6	23.2	24.5	23.7	25.0	25.6
	4H	24.6	25.8	25.1	26.3	27.0	24.6	25.8	25.1	26.3	27.0
	6H	25.9	27.0	26.5	27.5	28.2	25.9	27.0	26.5	27.5	28.2
	8H	26.5	27.5	27.1	28.1	28.7	26.5	27.5	27.1	28.1	28.7
	12H	27.1	28.0	27.7	28.6	29.3	27.1	28.0	27.7	28.6	29.3
8H	4H	25.1	26.1	25.7	26.7	27.4	25.1	26.1	25.7	26.7	27.4
	6H	26.6	27.5	27.2	28.1	28.8	26.6	27.5	27.2	28.1	28.8
	8H	27.3	28.1	27.9	28.8	29.4	27.3	28.1	27.9	28.8	29.4
	12H	28.1	28.8	28.7	29.4	30.2	28.1	28.8	28.7	29.4	30.2
12H	4H	25.2	26.1	25.8	26.8	27.4	25.2	26.1	25.8	26.8	27.4
	6H	26.8	27.6	27.4	28.2	28.9	26.8	27.6	27.4	28.2	28.9
	8H	27.6	28.3	28.2	28.9	29.7	27.6	28.3	28.2	28.9	29.7

Maximum UGR = 30.2

POLAR GRAPH



Maximum Candela = 1377.65 Located At Horizontal Angle = 0, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)