

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00551_3 ~ 4XT-40LXXK-MDEX-MWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00551_3_M-40L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/5/2017
[UPDATE] 8/21/2017
[LUMINAIRE] Nom. 4" Diam Head/Module, Medium Beam
[LUMCAT] 4XT-40L-xxK-MD-EX-MW-NL
[OTHER] Matte white finish, no lens
[OTHER] 26 Degree Beam Angle
[LAMP] N/A
[LAMPCAT] N/A, 19mm LES, Min. 83CRI
[OTHER] XT (Xicato) lumen output is same for all available CCT's at 19mm, 83CRI
[OTHER] Luminaire Watts is approximate, per Head/Module, no thermal sensor
[OTHER] Luminaire Watts for Surface/Suspended MULTIPLES = Module Watts x Qty
[OTHER] Luminaire Watts for Recessed MULTIPLES = Module Watts x Qty + 2W Thermal sensor +
[OTHER] Specific recessed units require active cooling approx. 1W per module, see Spec Sheets
[OTHER] Photometric Data for Head/Module applicable to the following:
[OTHER] SPECTRAC: Track Heads: STH4XT, STV4XT series
[OTHER] MULTIPLES: 8" W Surface/Suspended: RCC816, RCC824, RCC848, RCC896
[OTHER] MULTIPLES: 6" W Recessed: RC66**4, RC612**4, RC618**4, RC624**4
[OTHER] ** indicates Trim variants: FT, RT, NF
[OTHER] MULTIPLES: 12" x 12" Recessed: RC1212FT4
[OTHER] MULTIPLES: 2' x 2' Recessed Grid Ceiling: GC24241X, GC24242X, GC24244X
[OTHER] This report prepared by Spectrum Lighting, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3477
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00551_3 ~ 4XT-40LXXK-MDEX-MWNL.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6760	6270	6255
55	10262	11003	9460
65	12774	13447	13520
75	12110	13647	12313
85	16817	17681	15169

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : SP-00551_3 ~ 4XT-40LXXK-MDEX-MWNL.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	11371.060	11371.060	11371.060	11371.060	11371.060
5	10097.374	10305.569	10287.153	10553.603	10316.845
10	7345.915	7659.968	7450.935	7739.428	7500.246
15	4598.938	4805.710	4647.139	4779.629	4689.152
20	2763.996	2870.498	2792.610	2844.555	2799.129
25	1734.703	1782.400	1782.884	1813.104	1779.753
30	917.045	1009.183	923.769	995.563	920.973
35	278.179	272.613	268.392	259.039	267.430
40	51.305	43.735	54.975	63.260	56.239
45	38.713	33.304	35.906	40.094	35.818
50	39.768	38.355	40.048	37.959	38.210
55	47.671	45.509	51.113	45.318	43.944
60	52.237	50.423	53.527	55.216	49.199
65	43.722	45.271	46.025	48.803	46.274
70	31.401	31.735	28.113	34.759	31.718
75	25.384	28.294	28.606	30.031	25.809
80	25.447	23.175	24.947	24.586	25.249
85	11.870	14.935	12.480	13.395	10.707
90	4.151	1.777	2.222	0.857	1.632

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00551_3 ~ 4XT-40LXXK-MDEX-MWNL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2250.51	N.A.	64.70
0-30	3081.1	N.A.	88.60
0-40	3315.99	N.A.	95.40
0-60	3389.64	N.A.	97.50
0-80	3463.03	N.A.	99.60
0-90	3477.33	N.A.	100.00
10-90	2577.22	N.A.	74.10
20-40	1065.48	N.A.	30.60
20-50	1097.5	N.A.	31.60
40-70	117.36	N.A.	3.40
60-80	73.39	N.A.	2.10
70-80	29.68	N.A.	0.90
80-90	14.30	N.A.	0.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3477.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	900.11
10-20	1350.41
20-30	830.59
30-40	234.89
40-50	32.02
50-60	41.63
60-70	43.71
70-80	29.68
80-90	14.30
90-100	0.00
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

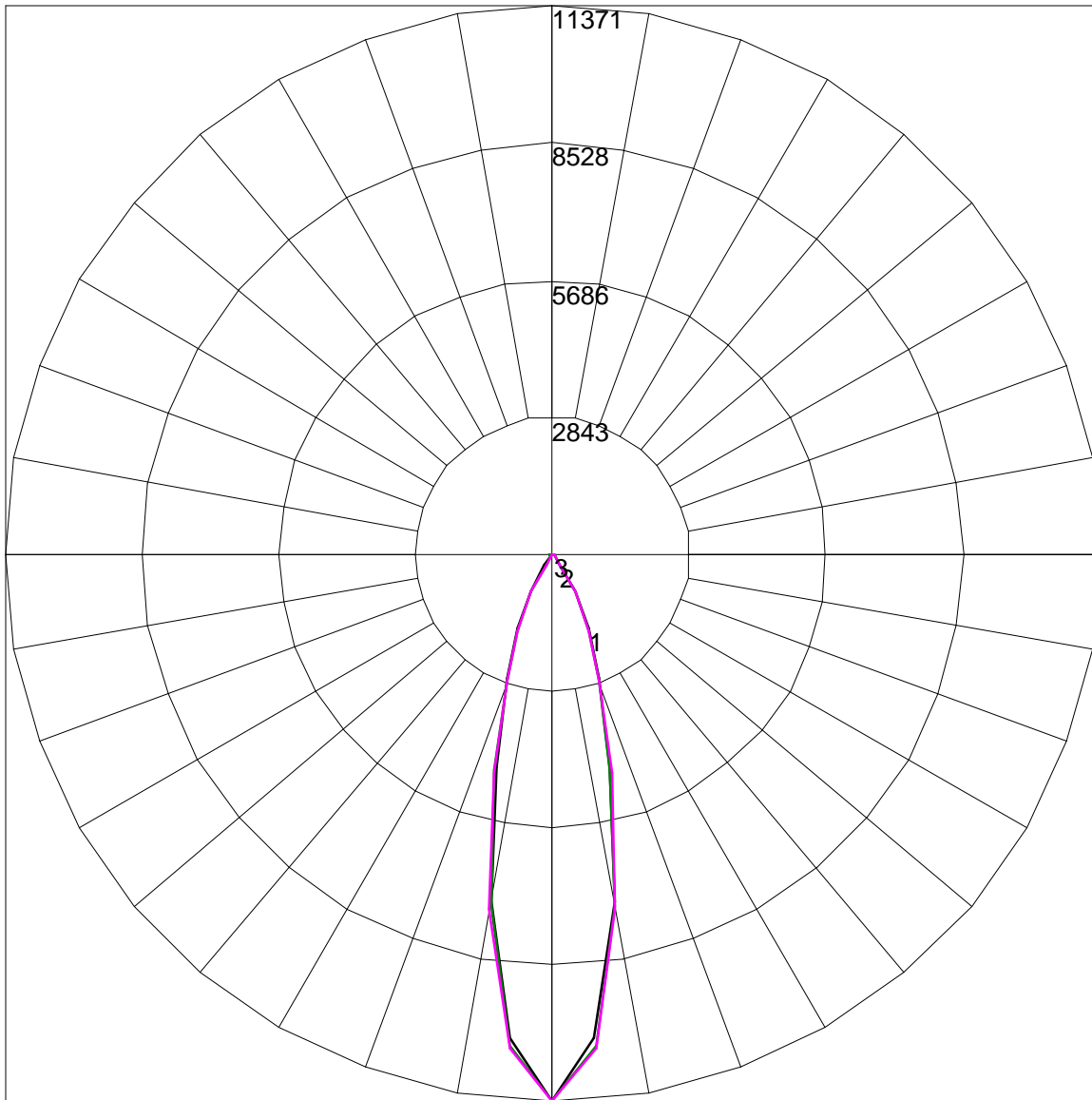
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00551_3 ~ 4XT-40LXXK-MDEX-MWNL.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	110	105	102	99	107	104	100	98	100	98	96	97	95	94	95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

POLAR GRAPH



Maximum Candela = 11371.06 Located At Horizontal Angle = 0, Vertical Angle = 0

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)