

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00551_6 ~ 4XT-10LXXK-WDEX-MWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00551_6_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/5/2017
[UPDATE] 8/21/2017
[LUMINAIRE] Nom. 4" Diam Head/Module, Wide Beam
[LUMCAT] 4XT-10L-xxK-WD-EX-MW-NL
[OTHER] Matte White finish, no lens
[OTHER] 36.8 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: STT4XT, 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	858
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.62
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_6 ~ 4XT-10LXXK-WDEX-MWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2612	2526	2507
55	3167	3039	3158
65	2999	3048	2879
75	4205	3928	3930
85	6337	6187	5898

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1879.446	1879.446	1879.446	1879.446	1879.446
5	1786.971	1799.285	1791.146	1804.534	1795.245
10	1550.152	1577.998	1559.680	1585.086	1566.311
15	1178.451	1221.259	1192.901	1230.210	1197.105
20	797.176	827.277	809.265	837.031	813.003
25	511.622	529.605	519.633	537.263	528.336
30	258.107	284.643	268.703	291.672	269.505
35	74.601	84.403	80.213	89.397	76.970
40	18.299	16.832	18.455	18.152	19.025
45	14.956	14.646	14.467	15.059	14.358
50	15.193	13.941	13.830	14.519	14.980
55	14.712	13.948	14.119	14.299	14.671
60	13.314	13.296	13.091	13.328	13.355
65	10.264	11.270	10.431	10.899	9.853
70	8.544	8.658	8.994	8.590	8.576
75	8.814	9.094	8.234	8.069	8.238
80	7.877	8.582	8.046	7.994	7.729
85	4.473	5.047	4.367	4.315	4.163
90	0.656	0.321	0.403	0.263	0.519

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	496.30	N.A.	57.90
0-30	739.23	N.A.	86.20
0-40	808.95	N.A.	94.30
0-60	833.47	N.A.	97.20
0-80	853.12	N.A.	99.40
0-90	857.89	N.A.	100.00
10-90	693.50	N.A.	80.80
20-40	312.65	N.A.	36.40
20-50	324.58	N.A.	37.80
40-70	35.23	N.A.	4.10
60-80	19.65	N.A.	2.30
70-80	8.93	N.A.	1.00
80-90	4.77	N.A.	0.60
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	857.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	164.38
10-20	331.92
20-30	242.93
30-40	69.73
40-50	11.93
50-60	12.58
60-70	10.72
70-80	8.93
80-90	4.77
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

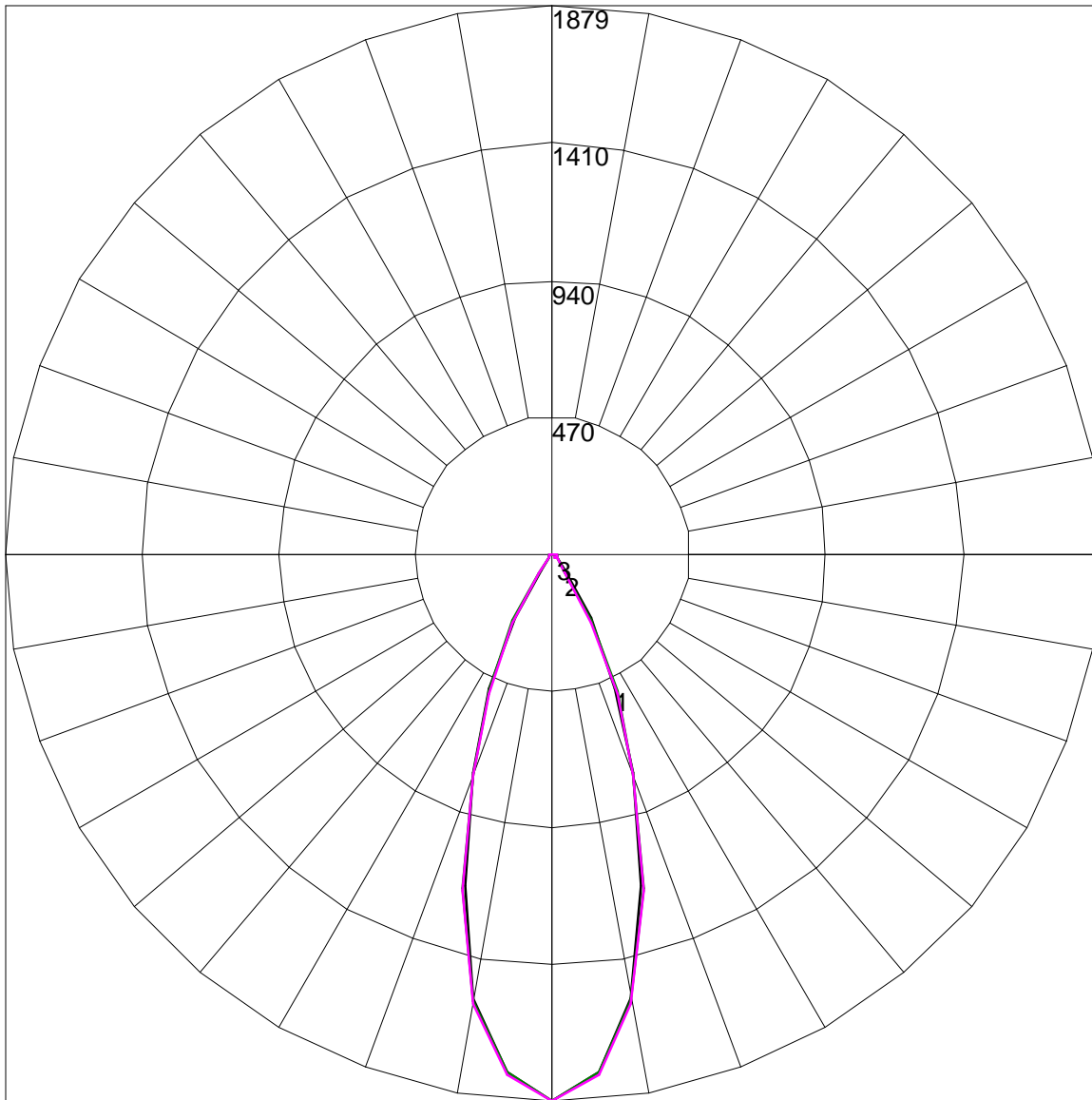
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	73	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	63
10	79	71	66	62	78	70	65	62	70	65	62	69	65	62	68	64	62	61

POLAR GRAPH



Maximum Candela = 1879.446 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)