

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00551 ~ 4XT-30LXXK-NDEX-MWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00551
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/6/2017
[UPDATE] 8/21/2017
[LUMINAIRE] Nom.4" Diam Head/Module, Narrow Beam
[LUMCAT] 4XT-30L-xxK-ND-EX-MW-NL
[OTHER] Matte White finish, no lens
[OTHER] 17.7 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2750
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.34
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 ~ 4XT-30LXXK-NDEX-MWNL.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3045	2933	3424
55	3314	3122	2987
65	7225	6513	6894
75	5283	5226	5913
85	8500	10389	10178

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : SP-00551 ~ 4XT-30LXXK-NDEX-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	15301.630	15301.630	15301.630	15301.630	15301.630
5	11973.290	12506.750	12636.670	13068.400	12784.800
10	6379.716	6919.995	6764.657	7376.045	7114.414
15	2829.052	3079.586	2933.237	3218.214	3135.530
20	1518.404	1597.190	1527.835	1625.490	1604.582
25	1048.132	1085.800	1047.994	1087.717	1081.694
30	619.794	665.602	648.632	684.240	639.393
35	194.998	227.099	200.775	234.325	202.526
40	28.458	33.790	22.997	31.666	33.345
45	17.435	17.145	16.798	20.192	19.607
50	14.157	15.498	13.516	15.810	14.378
55	15.394	15.880	14.502	13.835	13.875
60	19.789	20.993	18.797	18.234	18.618
65	24.727	22.270	22.293	22.242	23.597
70	17.746	19.460	17.715	20.059	18.375
75	11.074	13.387	10.954	13.874	12.395
80	13.536	13.884	11.176	15.235	11.743
85	6.000	7.019	7.333	5.690	7.184
90	2.033	0.598	1.316	0.237	2.137

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00551 ~ 4XT-30LXXK-NDEX-MWNL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2010.46	N.A.	73.10
0-30	2507.11	N.A.	91.20
0-40	2676.45	N.A.	97.30
0-60	2706.27	N.A.	98.40
0-80	2742.08	N.A.	99.70
0-90	2749.6	N.A.	100.00
10-90	1714.33	N.A.	62.30
20-40	665.99	N.A.	24.20
20-50	681.53	N.A.	24.80
40-70	50.56	N.A.	1.80
60-80	35.81	N.A.	1.30
70-80	15.07	N.A.	0.50
80-90	7.52	N.A.	0.30
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	2749.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1035.27
10-20	975.19
20-30	496.65
30-40	169.34
40-50	15.54
50-60	14.27
60-70	20.75
70-80	15.07
80-90	7.52
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

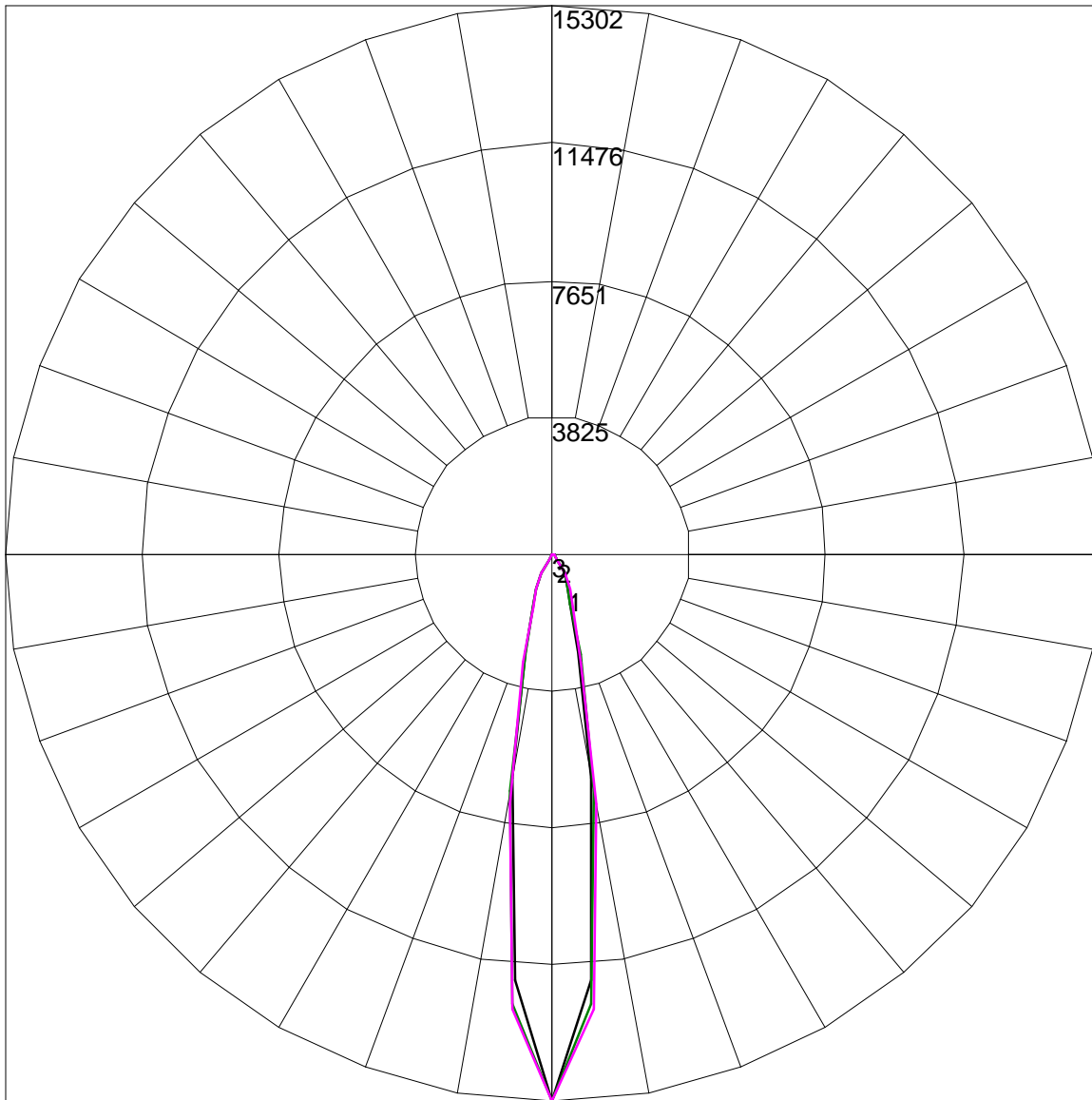
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00551 ~ 4XT-30LXXK-NDEX-MWNL.IES

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	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	83	81	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	81	78	91	84	80	77	83	80	77	83	79	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	80	77	75	74
10	87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	73	72

POLAR GRAPH



Maximum Candela = 15301.63 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)