

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00551\_10 ~ 4XT-30LXXK-XWEX-MWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00551\_10  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 4/5/2017  
[UPDATE] 8/21/2017  
[LUMINAIRE] Nom. 4" Dia Head/Module, Xtra Wide Beam  
[LUMCAT] 4XT-30L-xxK-XW-EX-MW-GL  
[OTHER] Matte White finish, clear glass lens  
[OTHER] 55.8 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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2557
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.84
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\_10 ~ 4XT-30LXXK-XWEX-MWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15903	15617	16900
55	6956	7207	7613
65	6207	6238	6756
75	9393	9080	8813
85	11005	12583	10492

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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>
<b>0</b>	3198.350	3198.350	3198.350	3198.350	3198.350
<b>5</b>	3156.569	3157.051	3145.461	3131.577	3113.400
<b>10</b>	3009.492	3016.977	2993.970	2984.431	2956.043
<b>15</b>	2796.230	2814.502	2790.802	2783.821	2752.798
<b>20</b>	2483.447	2519.526	2492.657	2498.819	2462.080
<b>25</b>	2003.314	2062.229	2032.713	2062.202	2012.984
<b>30</b>	1301.472	1363.777	1325.447	1374.582	1335.511
<b>35</b>	575.544	564.487	536.344	586.857	604.549
<b>40</b>	199.995	201.886	192.760	213.369	213.710
<b>45</b>	91.069	91.641	89.431	95.716	96.782
<b>50</b>	48.909	48.402	50.521	51.940	52.410
<b>55</b>	32.312	34.232	33.478	37.316	35.366
<b>60</b>	23.965	25.762	25.630	26.193	26.565
<b>65</b>	21.245	23.310	21.352	23.135	23.122
<b>70</b>	21.244	22.024	21.489	21.426	21.200
<b>75</b>	19.688	21.664	19.032	18.935	18.472
<b>80</b>	16.415	15.417	14.111	12.937	12.828
<b>85</b>	7.768	8.268	8.882	7.194	7.406
<b>90</b>	1.104	0.892	2.110	0.874	1.116

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1074.23	N.A.	42.00
0-30	1978.72	N.A.	77.40
0-40	2389.72	N.A.	93.40
0-60	2505.97	N.A.	98.00
0-80	2548.7	N.A.	99.70
0-90	2557.27	N.A.	100.00
10-90	2261.94	N.A.	88.50
20-40	1315.48	N.A.	51.40
20-50	1399.27	N.A.	54.70
40-70	139.13	N.A.	5.40
60-80	42.73	N.A.	1.70
70-80	19.86	N.A.	0.80
80-90	8.57	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	2557.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	295.33
10-20	778.90
20-30	904.49
30-40	410.99
40-50	83.79
50-60	32.47
60-70	22.87
70-80	19.86
80-90	8.57
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

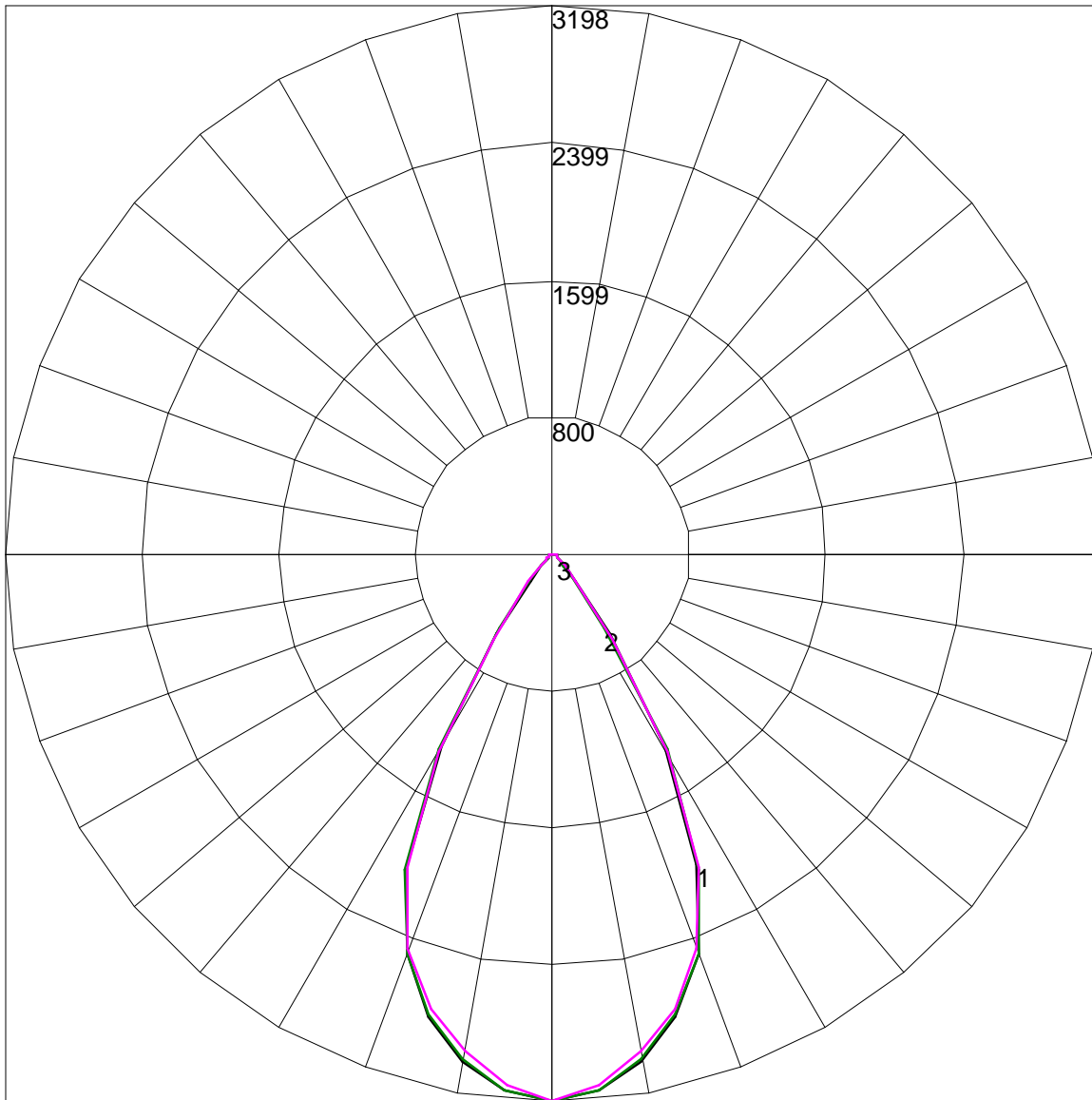
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74	81	76	73	79	75	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	62	57	54	53

POLAR GRAPH



Maximum Candela = 3198.35 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)