

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00596_2 ~ 3XT-13LXXK-XNEX-MWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00596_2_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 7/26/2017
[UPDATE] 8/24/2017
[LUMCAT] 3XT-13L-xxK-XN-EX-MW-SO
[LUMINAIRE] Nom. 3" Diam Head/Module
[OTHER] Xtra Narrow Beam / Solite Lens
[OTHER] 17.4 Degree Beam Angle
[LAMP] N/A
[LAMPCAT] N/A, 9mm LES, Min. 83CRI
[OTHER] XT (Xicato) lumen output is same for all available CCT's at 9mm, 83CRI
[OTHER] Luminaire Watts is approximate, per Head/Module, no thermal sensor or fan
[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: STT3XT, STC3XT, SDT3XT series
[OTHER] MULTIPLES: 6" W Surface/Suspended: RCC66, RCC612, RCC618, RCC624
[OTHER] MULTIPLES: 8" W Recessed Slot: RC896, RC8120, RC8144, RC8168, RC8192
[OTHER] MULTIPLES: 6" W Recessed: RC66**3, RC612**3, RC618**3, RC624**3
[OTHER] ** indicates Trim variants: FT, RT, NF
[OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	932
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	18.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.30
Spacing Criterion (90-270)	0.32
Spacing Criterion (Diagonal)	0.34
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.28 ft (Diameter)
Luminous Width (90-270)	0.28 ft (Diameter)
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4694	4919	4490
55	1005	953	1214
65	734	856	721
75	936	747	660
85	2532	2075	2086

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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	5705.778	5705.778	5705.778	5705.778	5705.778
5	4435.228	4302.459	4494.548	4312.873	4530.062
10	2302.966	2211.313	2335.489	2207.387	2434.026
15	989.509	967.649	1007.896	943.556	1092.681
20	500.939	499.662	511.102	489.993	537.610
25	344.083	345.596	346.017	332.358	342.665
30	220.178	220.732	225.289	212.030	213.643
35	105.752	94.960	115.120	100.976	105.660
40	43.216	37.887	49.101	41.486	41.972
45	18.331	17.930	19.213	15.627	17.534
50	7.160	6.636	6.212	6.789	7.598
55	3.184	4.111	3.018	2.890	3.846
60	2.134	3.185	3.019	2.217	2.345
65	1.714	1.886	1.999	1.737	1.682
70	1.338	1.316	1.468	1.237	1.363
75	1.338	0.718	1.068	1.163	0.943
80	1.008	0.861	0.911	1.024	1.155
85	1.219	0.649	0.999	0.847	1.004
90	0.000	0.000	0.817	0.000	0.677

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	676.94	N.A.	72.60
0-30	836.70	N.A.	89.70
0-40	908.77	N.A.	97.50
0-60	928.50	N.A.	99.60
0-80	931.55	N.A.	99.90
0-90	932.39	N.A.	100.00
10-90	572.67	N.A.	61.40
20-40	231.83	N.A.	24.90
20-50	247.96	N.A.	26.60
40-70	21.63	N.A.	2.30
60-80	3.05	N.A.	0.30
70-80	1.15	N.A.	0.10
80-90	0.83	N.A.	0.10
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	932.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	359.71
10-20	317.23
20-30	159.76
30-40	72.07
40-50	16.13
50-60	3.60
60-70	1.90
70-80	1.15
80-90	0.83
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

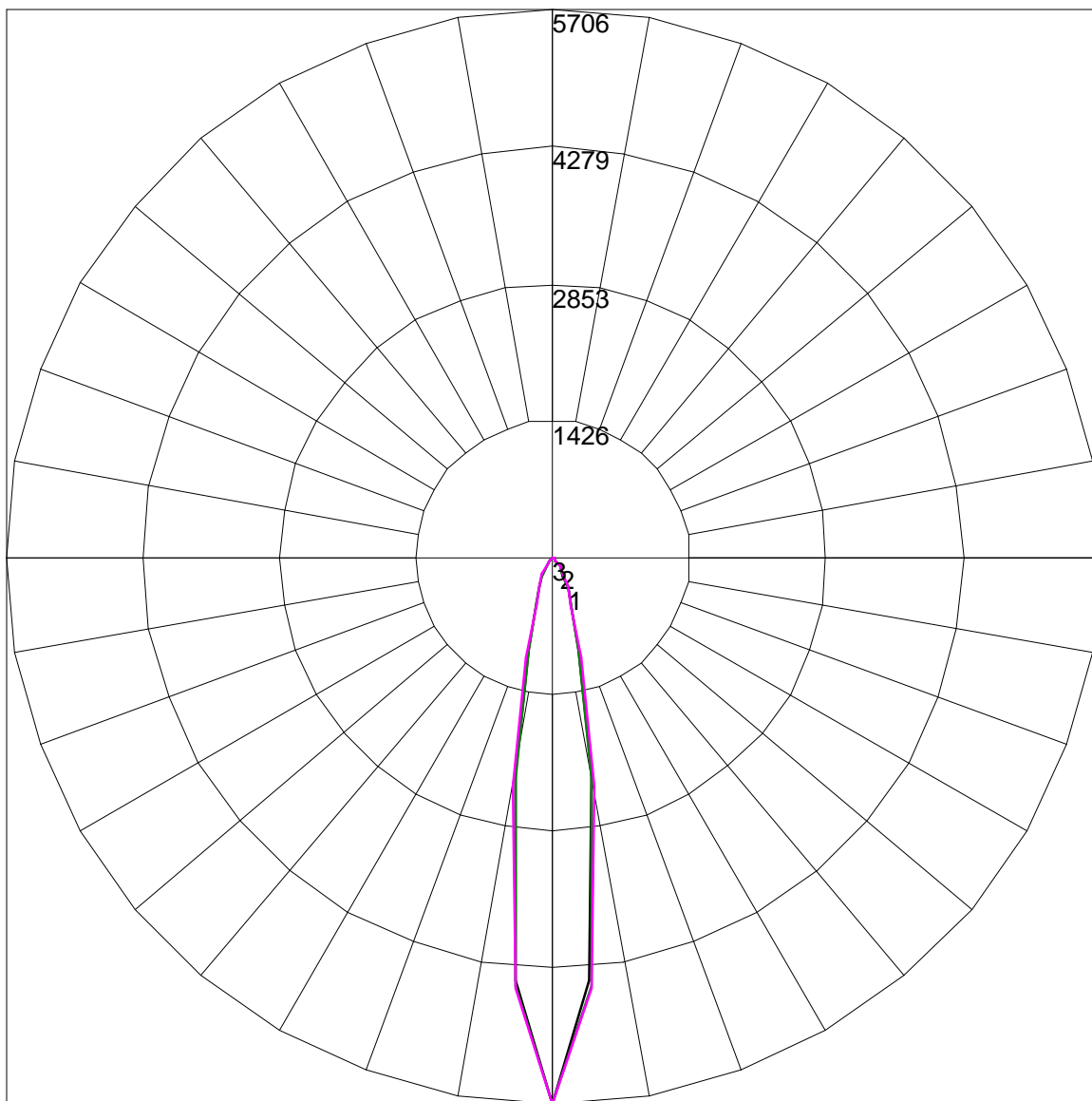
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	106	103	100	102	100	98	100	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83
6	97	91	87	84	96	90	86	83	89	85	83	88	85	82	86	84	82	81
7	95	88	84	81	93	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	77	83	79	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	78	75	81	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 = 5705.778 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)