

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00596 ~ 3XT-10LXXK-XNEX-MWNL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00596_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 7/26/2017
 [UPDATE] 8/24/2017
 [LUMCAT] 3XT-10L-xxK-XN-EX-MW-NL
 [LUMINAIRE] Nom. 3" Diam Head/Module
 [OTHER] Xtra Narrow Beam / No Lens
 [OTHER] 12.4 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	766
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	12.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.22
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	171	132	145
55	255	195	152
65	201	215	362
75	516	201	336
85	1134	1635	1500

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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	9350.599	9350.599	9350.599	9350.599	9350.599
5	5663.720	5590.240	5707.256	5636.521	5744.129
10	1483.451	1375.324	1415.222	1355.704	1454.102
15	428.928	381.323	420.064	390.040	429.105
20	306.362	304.171	306.290	307.902	306.495
25	286.433	285.667	286.200	284.409	283.917
30	185.417	212.803	185.070	207.954	181.523
35	41.684	38.102	45.281	41.167	42.843
40	1.821	0.572	1.254	0.821	0.908
45	0.666	0.487	0.516	0.577	0.565
50	0.726	0.528	0.470	0.788	0.896
55	0.807	0.865	0.617	0.866	0.481
60	0.415	1.059	0.716	0.582	0.260
65	0.469	0.947	0.502	0.340	0.845
70	0.661	0.541	0.411	0.444	0.878
75	0.738	0.680	0.287	0.722	0.480
80	0.336	0.402	0.493	0.541	0.266
85	0.546	0.513	0.787	0.679	0.722
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	598.04	N.A.	78.00
0-30	721.17	N.A.	94.10
0-40	763.49	N.A.	99.60
0-60	764.65	N.A.	99.80
0-80	765.82	N.A.	99.90
0-90	766.29	N.A.	100.00
10-90	334.18	N.A.	43.60
20-40	165.45	N.A.	21.60
20-50	165.98	N.A.	21.70
40-70	1.77	N.A.	0.20
60-80	1.17	N.A.	0.20
70-80	0.56	N.A.	0.10
80-90	0.47	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	766.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	432.12
10-20	165.92
20-30	123.13
30-40	42.32
40-50	0.53
50-60	0.63
60-70	0.60
70-80	0.56
80-90	0.47
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

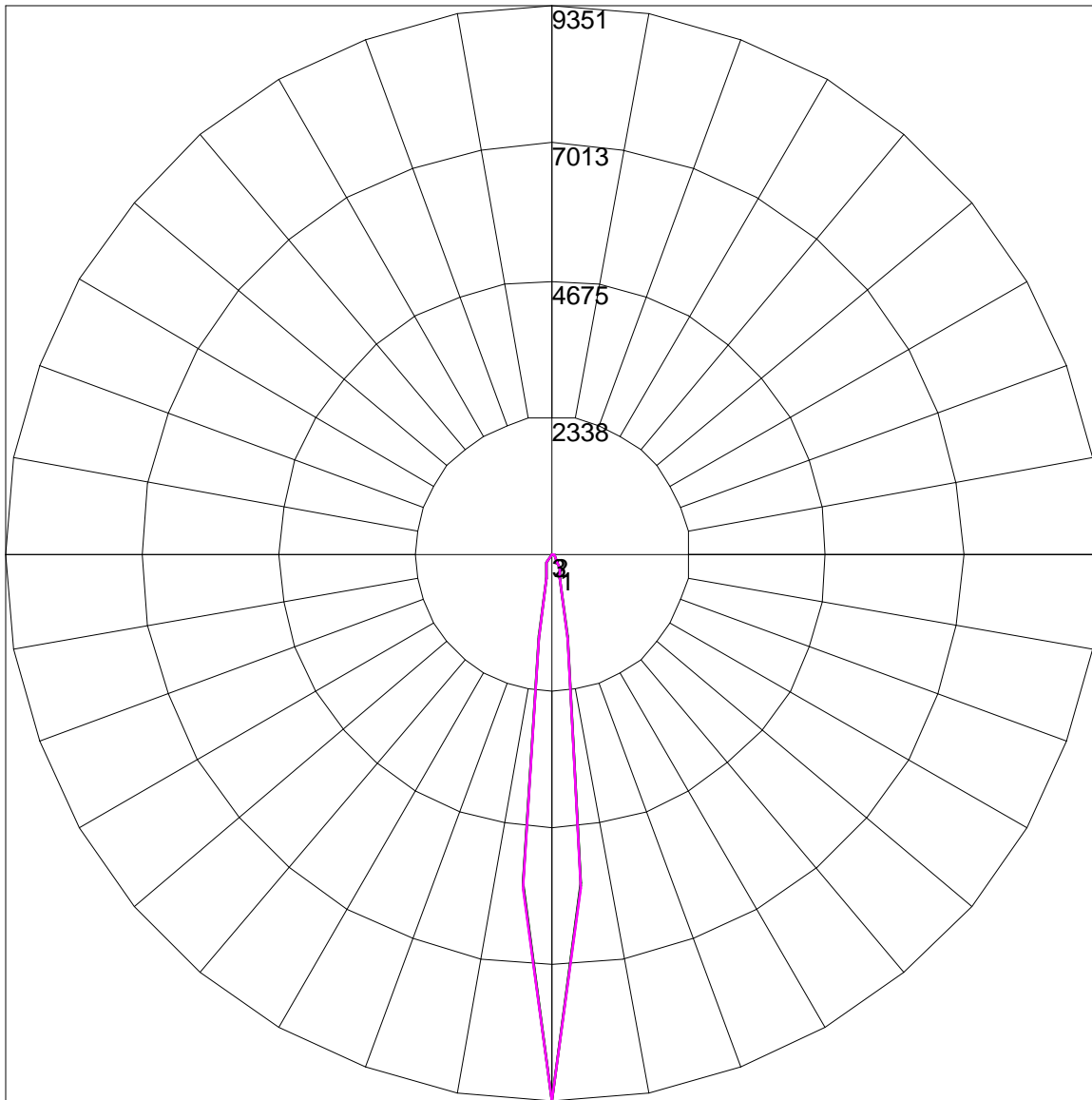
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95
3	109	105	101	99	107	103	101	98	101	99	97	99	97	95	97	95	94	93
4	106	101	98	95	105	100	97	94	98	96	93	97	94	92	95	93	91	90
5	104	98	95	92	102	97	94	91	96	93	91	94	92	90	93	91	89	88
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	86
7	99	93	89	87	98	93	89	87	91	88	86	91	88	86	90	87	85	85
8	97	91	87	85	96	90	87	85	90	87	84	89	86	84	88	86	84	83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	82	86	84	82	81
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	82	81	80

POLAR GRAPH



Maximum Candela = 9350.599 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)