

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00596_1 ~ 3XT-10LXXK-XNEX-MWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00596_1_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 7/26/2017
[UPDATE] 8/24/2017
[LUMCAT] 3XT-10L-xxK-XN-EX-MW-GL
[LUMINAIRE] Nom. 3" Diam Head/Module
[OTHER] Xtra Narrow Beam / Clear Glass Lens
[OTHER] 12.5 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	708
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	55
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	612	672	460
55	424	331	172
65	155	294	324
75	451	369	610
85	1018	1431	1585

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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	8269.374	8269.374	8269.374	8269.374	8269.374
5	5061.319	5064.600	5090.245	5112.980	5156.931
10	1321.177	1303.410	1241.309	1302.388	1321.070
15	400.713	400.418	389.453	406.974	410.618
20	284.701	285.414	286.015	288.209	289.608
25	258.943	259.613	259.441	260.805	263.509
30	179.432	179.698	186.244	180.511	183.154
35	49.071	50.771	55.741	53.257	53.594
40	5.147	3.635	3.213	3.774	3.722
45	2.390	2.180	2.626	2.137	1.798
50	2.019	1.268	1.400	1.598	1.101
55	1.342	1.397	1.049	1.047	0.545
60	0.761	0.846	0.908	1.556	1.223
65	0.362	1.097	0.687	0.805	0.756
70	0.473	0.793	1.063	0.980	0.827
75	0.645	0.626	0.527	1.355	0.872
80	0.767	0.541	0.653	0.703	0.608
85	0.490	0.811	0.689	0.610	0.763
90	0.000	0.000	0.310	0.000	1.213

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	545.27	N.A.	77.00
0-30	658.60	N.A.	93.00
0-40	702.60	N.A.	99.30
0-60	705.52	N.A.	99.70
0-80	707.23	N.A.	99.90
0-90	707.84	N.A.	100.00
10-90	319.63	N.A.	45.20
20-40	157.32	N.A.	22.20
20-50	159.19	N.A.	22.50
40-70	3.80	N.A.	0.50
60-80	1.71	N.A.	0.20
70-80	0.83	N.A.	0.10
80-90	0.61	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	707.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	388.22
10-20	157.05
20-30	113.33
30-40	44.00
40-50	1.87
50-60	1.06
60-70	0.87
70-80	0.83
80-90	0.61
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

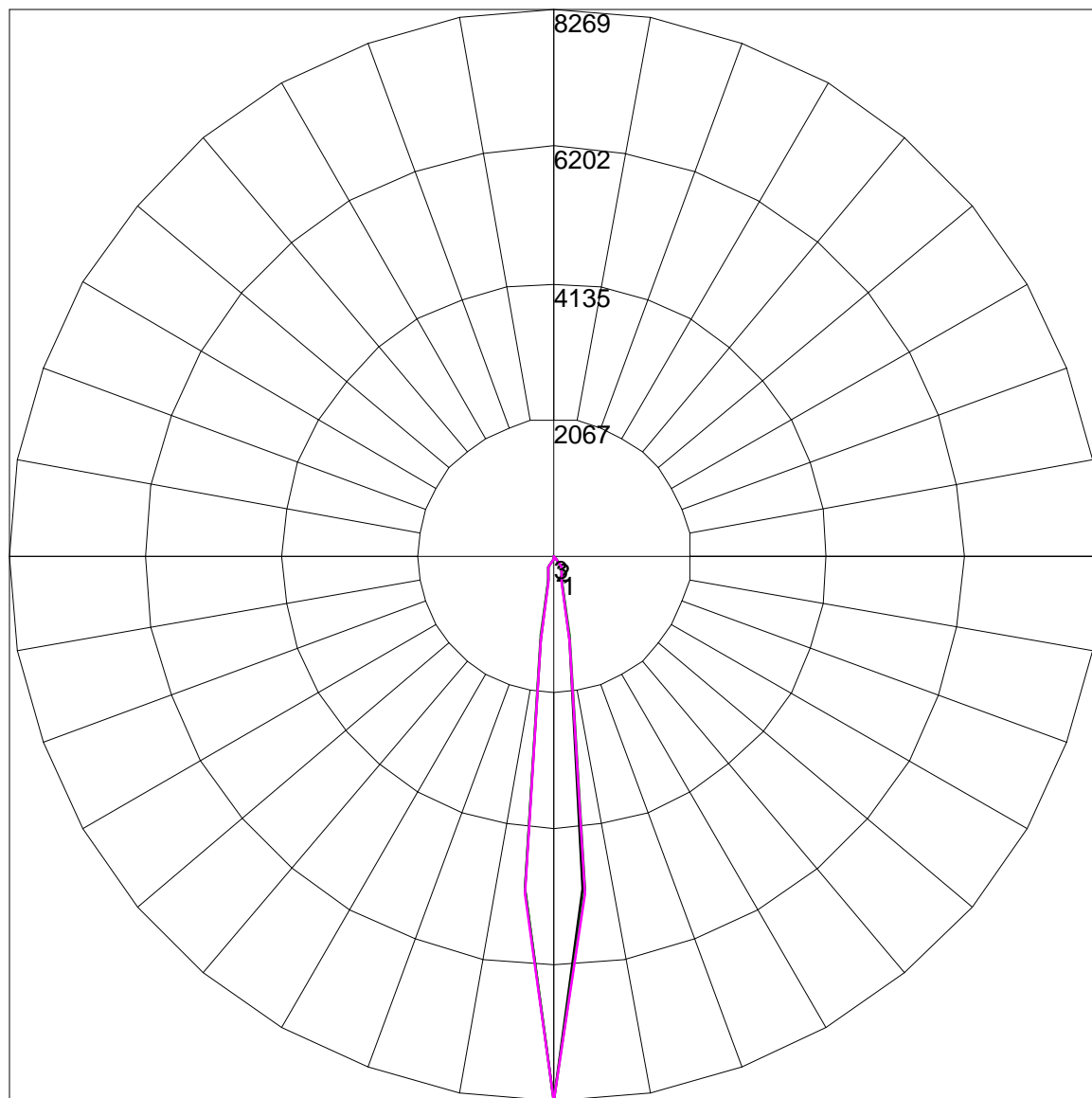
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	95
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92
4	106	101	97	94	104	100	96	94	98	95	93	96	94	92	94	92	91	90
5	103	98	94	91	102	97	93	91	95	92	90	94	91	89	92	90	89	88
6	101	95	91	88	99	94	91	88	93	90	88	92	89	87	91	88	86	86
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	86	83	81	80
10	92	86	83	80	91	86	82	80	85	82	80	85	82	80	84	81	80	79

POLAR GRAPH



Maximum Candela = 8269.374 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)