

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00596_2 ~ 3XT-10LXXK-XNEX-MWSO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00596_2_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 7/26/2017
 [UPDATE] 8/24/2017
 [LUMCAT] 3XT-10L-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	692
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	12.8
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	3484	3652	3333
55	746	707	901
65	545	636	535
75	695	555	490
85	1880	1541	1548

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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	4235.443	4235.443	4235.443	4235.443	4235.443
5	3292.304	3193.748	3336.338	3201.479	3362.700
10	1709.510	1641.475	1733.651	1638.560	1806.796
15	734.520	718.293	748.169	700.409	811.105
20	371.851	370.903	379.395	363.725	399.072
25	255.415	256.538	256.851	246.712	254.363
30	163.440	163.851	167.234	157.391	158.589
35	78.501	70.489	85.455	74.955	78.432
40	32.079	28.123	36.448	30.795	31.156
45	13.607	13.309	14.262	11.600	13.016
50	5.315	4.926	4.611	5.040	5.640
55	2.363	3.052	2.240	2.145	2.855
60	1.584	2.364	2.241	1.646	1.741
65	1.272	1.400	1.484	1.289	1.249
70	0.993	0.977	1.089	0.918	1.012
75	0.993	0.533	0.793	0.864	0.700
80	0.748	0.639	0.676	0.760	0.857
85	0.905	0.482	0.742	0.629	0.745
90	0.000	0.000	0.607	0.000	0.503

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	502.50	N.A.	72.60
0-30	621.09	N.A.	89.70
0-40	674.59	N.A.	97.50
0-60	689.24	N.A.	99.60
0-80	691.50	N.A.	99.90
0-90	692.12	N.A.	100.00
10-90	425.10	N.A.	61.40
20-40	172.09	N.A.	24.90
20-50	184.06	N.A.	26.60
40-70	16.05	N.A.	2.30
60-80	2.26	N.A.	0.30
70-80	0.85	N.A.	0.10
80-90	0.62	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	692.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	267.02
10-20	235.48
20-30	118.59
30-40	53.50
40-50	11.97
50-60	2.67
60-70	1.41
70-80	0.85
80-90	0.62
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

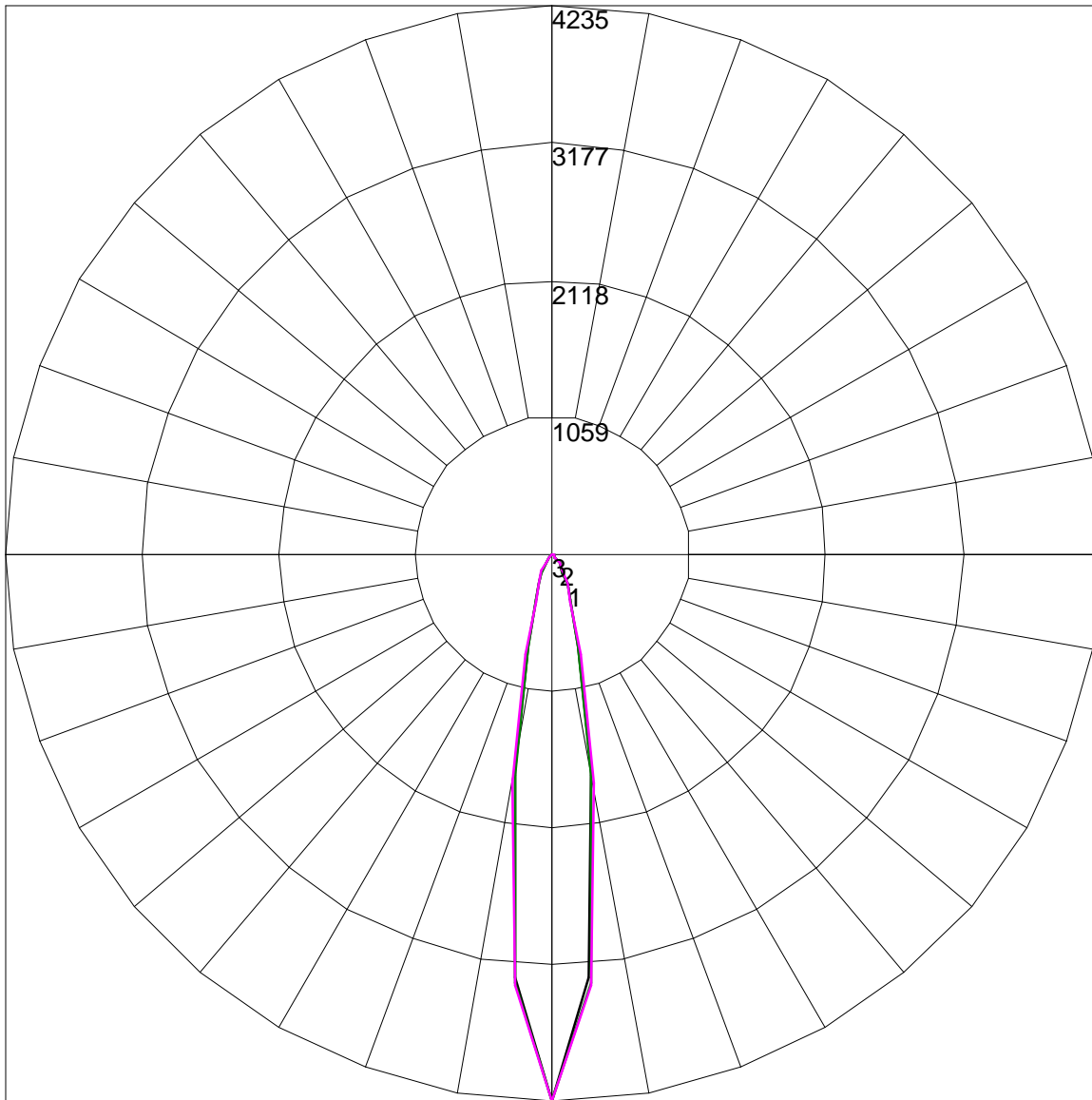
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	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	91	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	83	96	90	86	83	89	85	83	88	85	82	86	84	82	81
7	95	88	84	80	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 = 4235.443 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)