

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547 ~ SS4MX-XT10LE1-SDD4X-XXK-XNMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/21/2017
[UPDATE] 5/5/2017
[LUMCAT] SS4MRx-XT10L-E1-SDD4x-xxK-XN-MW-NL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Xtra Narrow Beam
[OTHER] Matte White Trim, No lens
[OTHER] 13.5 Degree Beam Angle
[LAMP] N/A
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] For New Construction Non-IC Housing: SS4MO-XT-series
[OTHER] For New Construction IC Rated Housing: SS4MI-XT-Series
[OTHER] For Remodel/Retrofit Housing: SS4MR-XT-Series
[OTHER] For SDD4F or SDD4N Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[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	860
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2025	3113	2158
55	3373	4508	3254
65	1879	1761	2019
75	969	592	703
85	1259	2096	1945

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547 ~ SS4MX-XT10LE1-SDD4X-XXK-XNMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	9025.456	9025.456	9025.456	9025.456	9025.456
5	6074.178	6189.978	5942.716	6175.725	6129.844
10	1610.490	1805.172	1595.323	1808.530	1644.093
15	420.851	461.795	440.139	460.289	427.644
20	304.286	310.423	311.329	312.618	307.692
25	272.702	286.659	285.968	289.309	278.134
30	146.927	216.733	267.349	208.414	151.954
35	33.888	71.957	194.855	64.570	36.159
40	10.229	12.629	60.321	13.135	10.105
45	5.221	6.789	8.025	6.907	5.563
50	3.833	5.147	7.665	5.595	2.861
55	7.052	7.289	9.426	8.249	6.805
60	8.513	8.528	8.443	8.962	7.479
65	2.895	4.285	2.713	4.149	3.110
70	1.100	1.141	1.225	1.427	0.695
75	0.914	0.846	0.559	1.201	0.663
80	0.472	0.537	0.523	0.568	0.839
85	0.400	0.523	0.666	0.874	0.618
90	0.516	0.254	0.541	0.265	0.519

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Zone	Lumens	%Lamp	%Fixt
0-20	650.54	N.A.	75.70
0-30	775.50	N.A.	90.20
0-40	839.28	N.A.	97.60
0-60	854.18	N.A.	99.30
0-80	859.21	N.A.	99.90
0-90	859.82	N.A.	100.00
10-90	399.52	N.A.	46.50
20-40	188.75	N.A.	22.00
20-50	196.93	N.A.	22.90
40-70	19.01	N.A.	2.20
60-80	5.02	N.A.	0.60
70-80	0.91	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	859.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	460.30
10-20	190.24
20-30	124.96
30-40	63.78
40-50	8.18
50-60	6.72
60-70	4.11
70-80	0.91
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

IES INDOOR REPORT

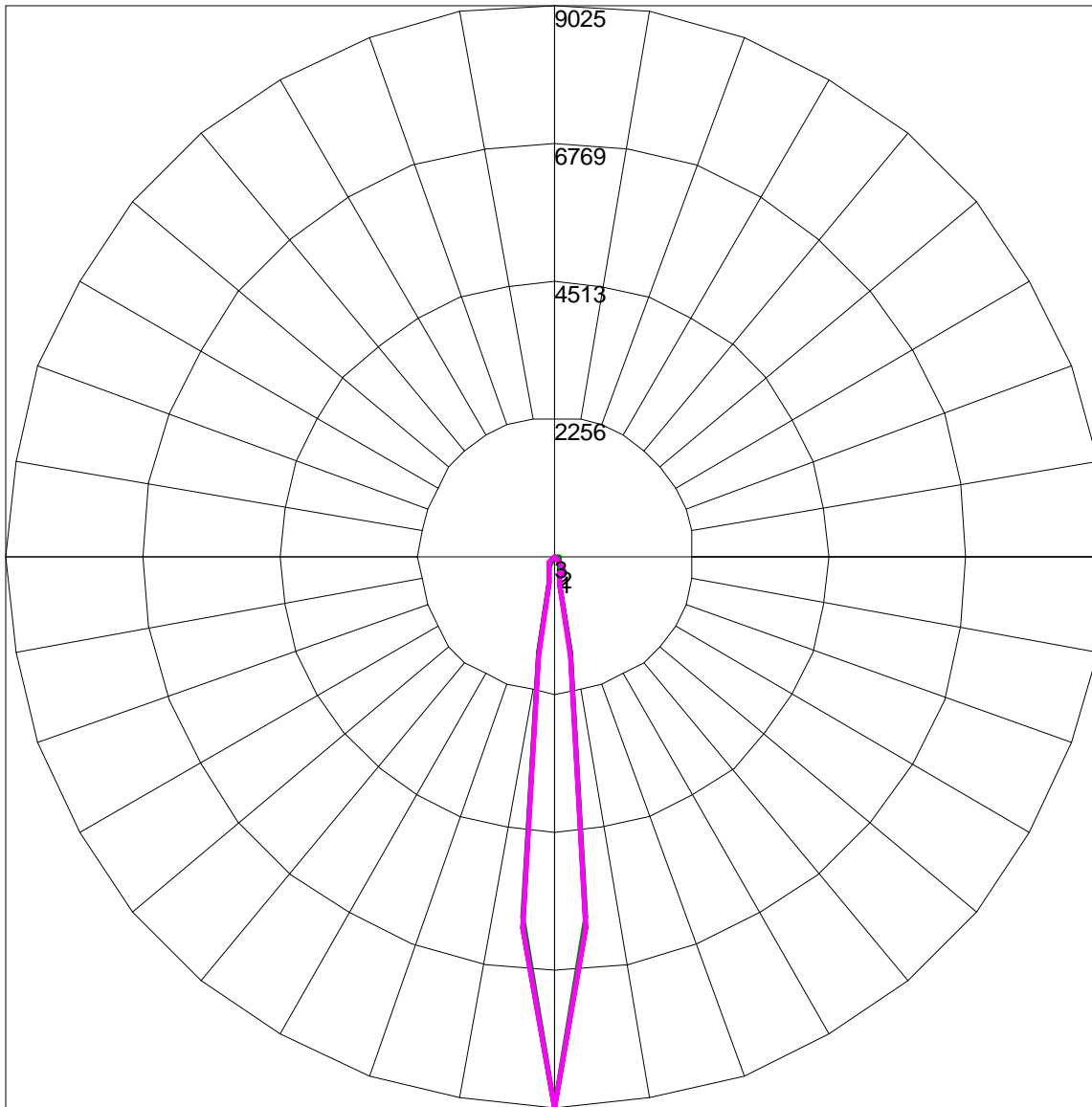
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	97	97	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	97	95	94	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	96	94	96	94	92	91	91	91	91
4	105	100	96	93	104	99	95	93	97	94	92	95	93	91	93	91	90	89	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84	84	84	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	82	82	82
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	80	80	80
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79	79	79	79
10	91	85	81	79	90	84	81	79	84	81	78	83	80	78	83	80	78	77	77	77	77

POLAR GRAPH



Maximum Candela = 9025.456 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)