

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_5 ~ SS4MX-XT40LE1-SDD4X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.5
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/21/2017
[UPDATE] 4/20/2017
[LUMCAT] SS4MRx-XT40L-E1-SDD4x-xxK-ND-MW-SO
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Narrow Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 23.7 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 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2526
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.42
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	28538	51177	28377
55	18554	30853	17846
65	12533	12612	11168
75	2723	3781	2543
85	4085	4623	5889

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	9397.070	9397.070	9397.070	9397.070	9397.070
5	8314.813	8401.993	8209.083	8324.462	8268.484
10	5603.572	5690.234	5435.811	5463.682	5342.048
15	3141.215	3198.594	3058.981	3003.995	2966.690
20	1729.264	1780.037	1765.220	1715.651	1682.965
25	995.874	1116.485	1160.121	1075.954	990.224
30	549.539	681.845	775.609	638.749	531.254
35	272.015	374.513	453.962	328.642	242.993
40	129.136	190.313	230.150	160.217	114.107
45	73.567	108.382	131.925	94.611	73.150
50	52.228	70.335	90.851	65.278	50.102
55	38.796	50.902	64.515	49.238	37.316
60	29.611	36.304	37.508	33.957	28.374
65	19.310	18.156	19.431	20.861	17.207
70	8.930	9.179	7.246	8.848	9.751
75	2.569	3.386	3.568	2.724	2.399
80	1.863	1.485	0.929	1.478	3.142
85	1.298	1.662	1.469	2.239	1.871
90	0.648	0.374	1.141	0.844	1.616

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Zone	Lumens	%Lamp	%Fixt
0-20	1613.23	N.A.	63.90
0-30	2130.75	N.A.	84.40
0-40	2368.19	N.A.	93.80
0-60	2499.97	N.A.	99.00
0-80	2524.29	N.A.	99.90
0-90	2525.91	N.A.	100.00
10-90	1819.8	N.A.	72.00
20-40	754.96	N.A.	29.90
20-50	841.02	N.A.	33.30
40-70	151.81	N.A.	6.00
60-80	24.32	N.A.	1.00
70-80	4.30	N.A.	0.20
80-90	1.62	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	2525.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	706.12
10-20	907.11
20-30	517.52
30-40	237.44
40-50	86.06
50-60	45.73
60-70	20.02
70-80	4.30
80-90	1.62
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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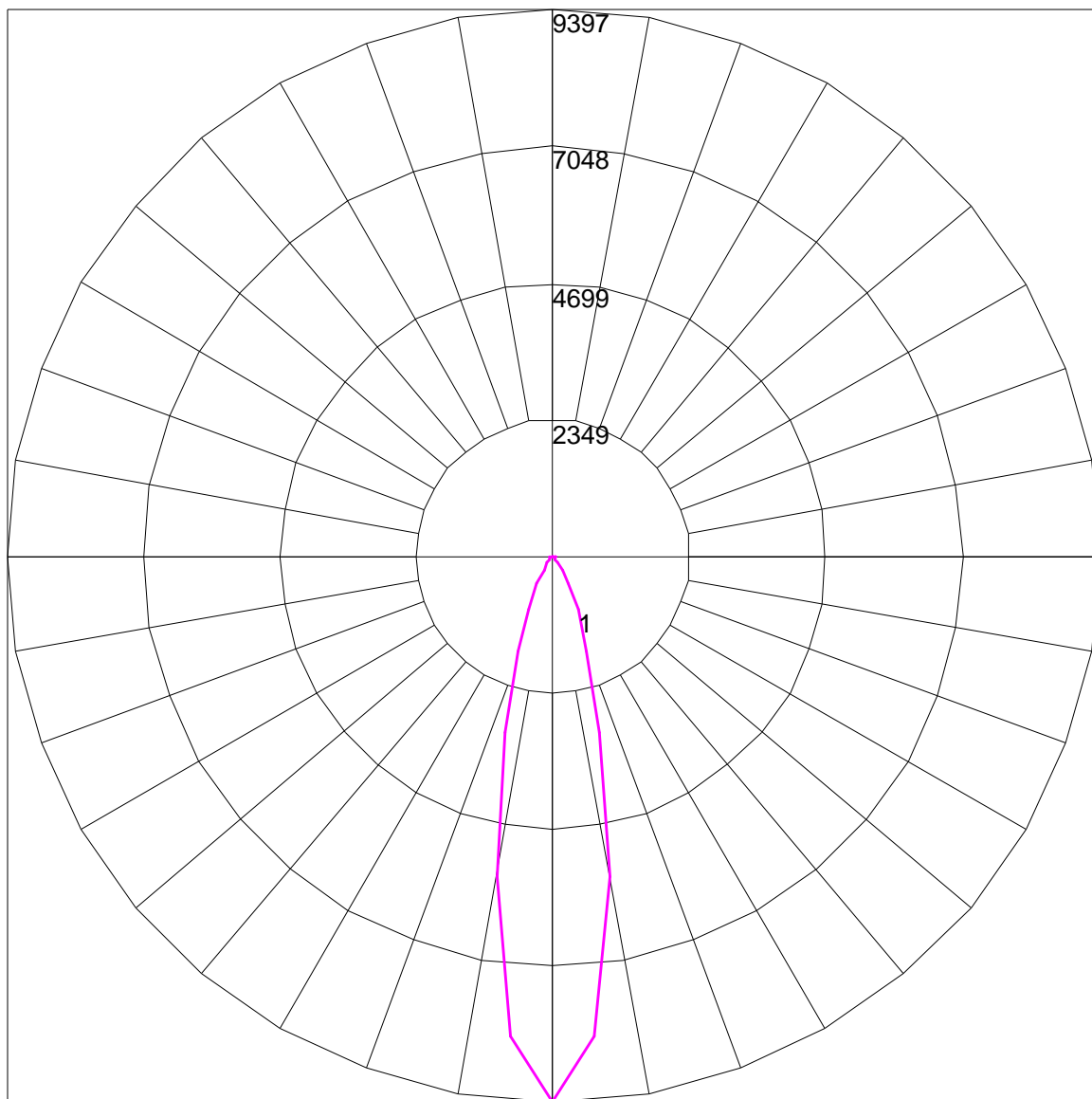
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	92	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	97	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65

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POLAR GRAPH



Maximum Candela = 9397.07 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)