

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00547\_6 ~ SS4MX-XT40LE1-SDD4X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00547.6  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 3/21/2017  
[UPDATE] 4/20/2017  
[LUMCAT] SS4MRx-XT40L-E1-SDD4x-xxK-MD-MW-NL  
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Medium Beam  
[OTHER] Matte White Trim, No lens  
[OTHER] 27.5 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 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	2833
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00547\_6 ~ SS4MX-XT40LE1-SDD4X-XXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19793	32927	20300
55	33814	35119	34865
65	12743	14602	12989
75	4113	2159	4606
85	6323	6795	6150

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP\_00547\_6 ~ SS4MX-XT40LE1-SDD4X-XXK-MDMWNL.IES****CANDELA TABULATION**

	<b><u>0.0</u></b>	<b><u>22.5</u></b>	<b><u>45.0</u></b>	<b><u>67.5</u></b>	<b><u>90.0</u></b>
<b>0</b>	8174.325	8174.325	8174.325	8174.325	8174.325
<b>5</b>	7460.842	7517.509	7432.638	7499.307	7422.481
<b>10</b>	5549.591	5630.822	5512.612	5597.063	5506.040
<b>15</b>	3587.452	3651.863	3550.148	3605.225	3536.068
<b>20</b>	2241.157	2295.835	2233.110	2248.083	2188.456
<b>25</b>	1449.610	1576.627	1505.776	1523.085	1394.116
<b>30</b>	765.665	990.594	1118.964	929.274	725.776
<b>35</b>	247.559	393.575	699.744	354.603	238.060
<b>40</b>	66.740	86.876	259.584	85.261	67.353
<b>45</b>	51.024	57.750	84.880	60.362	52.330
<b>50</b>	62.528	68.095	75.818	65.990	63.897
<b>55</b>	70.705	75.295	73.435	74.146	72.904
<b>60</b>	49.532	59.010	54.798	53.638	50.495
<b>65</b>	19.633	27.657	22.497	25.419	20.012
<b>70</b>	8.994	11.373	5.329	9.496	12.328
<b>75</b>	3.881	7.978	2.037	6.711	4.346
<b>80</b>	2.005	2.934	2.433	2.239	2.453
<b>85</b>	2.009	2.176	2.159	2.294	1.954
<b>90</b>	1.140	1.032	0.782	1.478	1.030

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Zone	Lumens	%Lamp	%Fixt
0-20	1678.17	N.A.	59.20
0-30	2382.41	N.A.	84.10
0-40	2675.3	N.A.	94.40
0-60	2797.3	N.A.	98.80
0-80	2830.51	N.A.	99.90
0-90	2832.65	N.A.	100.00
10-90	2179.12	N.A.	76.90
20-40	997.13	N.A.	35.20
20-50	1058.67	N.A.	37.40
40-70	149.38	N.A.	5.30
60-80	33.21	N.A.	1.20
70-80	5.82	N.A.	0.20
80-90	2.14	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	2832.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	653.53
10-20	1024.64
20-30	704.24
30-40	292.89
40-50	61.54
50-60	60.46
60-70	27.39
70-80	5.82
80-90	2.14
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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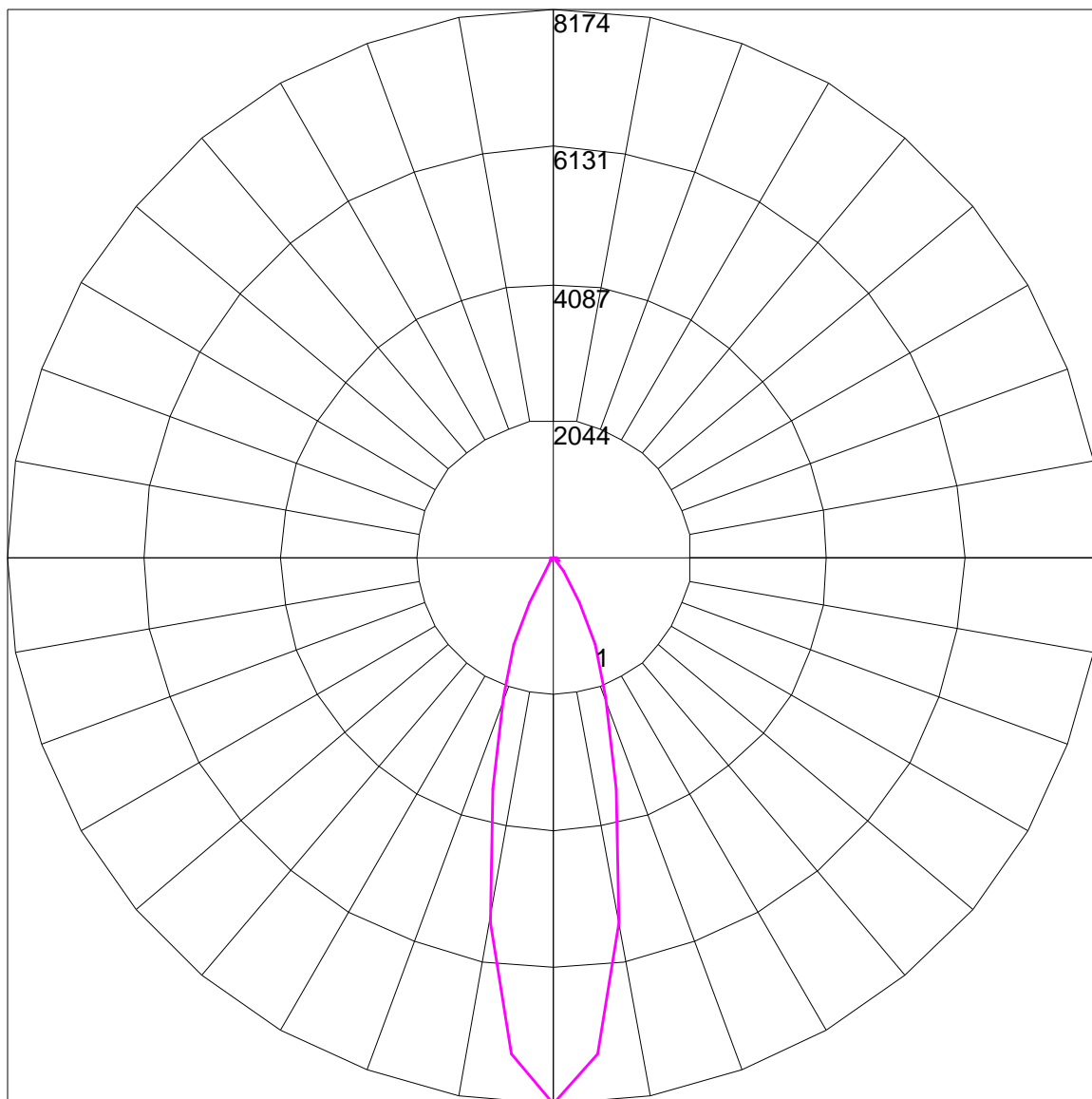
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	101	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	81	95	88	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	81	76	73	88	81	76	72	80	75	72	78	75	72	77	74	71	70
8	86	78	73	69	85	77	73	69	76	72	69	75	71	69	74	71	68	67
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

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POLAR GRAPH



Maximum Candela = 8174.325 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)