

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_7 ~ SS4MX-XT40LE1-SDD4X-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.7
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/21/2017
[UPDATE] 4/20/2017
[LUMCAT] SS4MRx-XT40L-E1-SDD4x-xxK-MD-MW-GL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, Clear glass lens
[OTHER] 27.1 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	2594
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
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_7 ~ SS4MX-XT40LE1-SDD4X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28076	40888	28958
55	37435	44644	38277
65	11399	14895	14571
75	3382	3281	5608
85	4488	4699	3588

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_7 ~ SS4MX-XT40LE1-SDD4X-XXK-MDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	7423.017	7423.017	7423.017	7423.017	7423.017
5	6727.719	6846.342	6776.732	6873.669	6766.137
10	4966.703	5086.399	4975.458	5097.041	4988.894
15	3199.576	3267.832	3186.384	3276.180	3201.969
20	2008.633	2063.980	2001.441	2048.487	1984.137
25	1279.206	1406.587	1350.282	1372.445	1250.008
30	642.341	857.570	1010.959	820.622	624.949
35	212.624	353.097	616.601	336.162	206.569
40	84.205	108.256	240.183	106.613	83.144
45	72.376	83.740	105.401	85.469	74.648
50	79.886	89.169	102.088	90.912	81.119
55	78.277	84.230	93.351	84.875	80.037
60	48.346	55.373	58.167	54.165	51.382
65	17.563	25.150	22.948	25.772	22.450
70	9.968	10.766	7.856	10.984	10.558
75	3.191	6.516	3.096	5.632	5.291
80	1.990	2.772	1.402	1.961	2.384
85	1.426	1.341	1.493	2.016	1.140
90	0.952	0.466	1.497	0.376	1.425

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_7 ~ SS4MX-XT40LE1-SDD4X-XXK-MDMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1517.82	N.A.	58.50
0-30	2147.68	N.A.	82.80
0-40	2411.48	N.A.	93.00
0-60	2559.03	N.A.	98.70
0-80	2592.17	N.A.	99.90
0-90	2593.81	N.A.	100.00
10-90	1999.91	N.A.	77.10
20-40	893.66	N.A.	34.50
20-50	970.62	N.A.	37.40
40-70	174.95	N.A.	6.70
60-80	33.13	N.A.	1.30
70-80	5.74	N.A.	0.20
80-90	1.64	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	2593.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	593.90
10-20	923.92
20-30	629.86
30-40	263.80
40-50	76.96
50-60	70.60
60-70	27.39
70-80	5.74
80-90	1.64
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

PHOTOMETRIC FILENAME : SP_00547_7 ~ SS4MX-XT40LE1-SDD4X-XXK-MDMWGL.IES

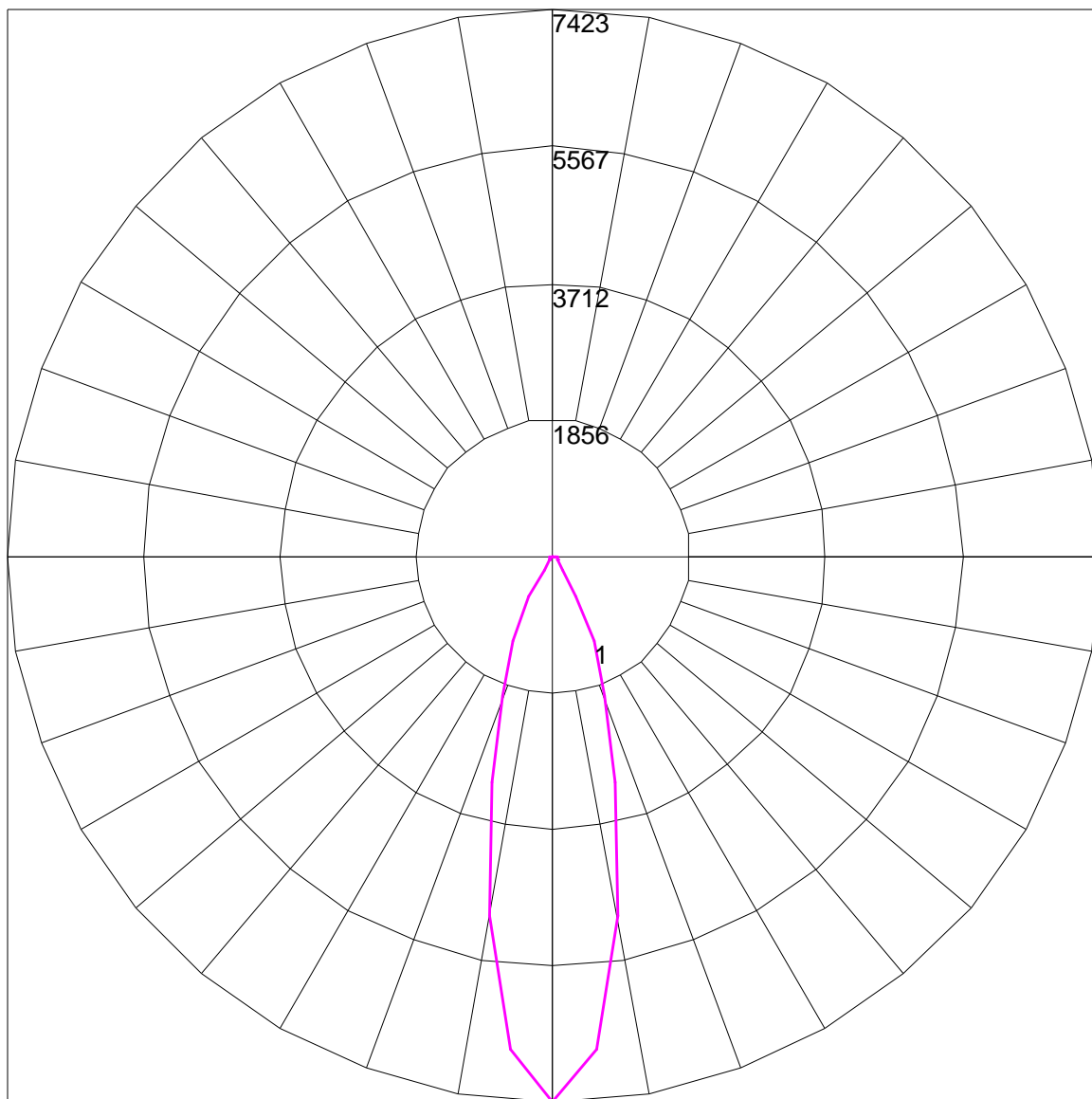
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75	81	77	74	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69
8	85	77	72	69	84	77	72	68	76	71	68	75	71	68	74	70	68	66
9	82	74	69	66	81	74	69	66	73	68	65	72	68	65	71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	62	61

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_7 ~ SS4MX-XT40LE1-SDD4X-XXK-MDMWGL.IES

POLAR GRAPH



Maximum Candela = 7423.017 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)