

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_7 ~ SS4MX-XT20LE1-SDD4X-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00547.7_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 3/21/2017

[UPDATE] 4/20/2017

[LUMCAT] SS4MRx-XT20L-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 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 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1347
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	23.7
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-XT20LE1-SDD4X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14586	21241	15044
55	19447	23192	19885
65	5922	7737	7570
75	1757	1704	2913
85	2332	2442	1863

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_7 ~ SS4MX-XT20LE1-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	3856.257	3856.257	3856.257	3856.257	3856.257
5	3495.050	3556.675	3520.512	3570.871	3515.008
10	2580.202	2642.384	2584.751	2647.913	2591.731
15	1662.180	1697.639	1655.327	1701.976	1663.423
20	1043.485	1072.238	1039.749	1064.189	1030.759
25	664.548	730.722	701.472	712.985	649.379
30	333.696	445.508	525.193	426.313	324.661
35	110.458	183.434	320.324	174.636	107.313
40	43.744	56.239	124.775	55.385	43.193
45	37.599	43.503	54.756	44.401	38.780
50	41.501	46.323	53.035	47.229	42.141
55	40.665	43.757	48.496	44.093	41.579
60	25.116	28.766	30.218	28.139	26.693
65	9.124	13.065	11.921	13.389	11.663
70	5.178	5.593	4.081	5.706	5.485
75	1.658	3.385	1.608	2.926	2.749
80	1.034	1.440	0.728	1.019	1.238
85	0.741	0.697	0.776	1.047	0.592
90	0.495	0.242	0.778	0.195	0.740

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Zone	Lumens	%Lamp	%Fixt
0-20	788.51	N.A.	58.50
0-30	1115.72	N.A.	82.80
0-40	1252.76	N.A.	93.00
0-60	1329.42	N.A.	98.70
0-80	1346.63	N.A.	99.90
0-90	1347.48	N.A.	100.00
10-90	1038.95	N.A.	77.10
20-40	464.26	N.A.	34.50
20-50	504.24	N.A.	37.40
40-70	90.89	N.A.	6.70
60-80	17.21	N.A.	1.30
70-80	2.98	N.A.	0.20
80-90	0.85	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	1347.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	308.53
10-20	479.98
20-30	327.21
30-40	137.04
40-50	39.98
50-60	36.68
60-70	14.23
70-80	2.98
80-90	0.85
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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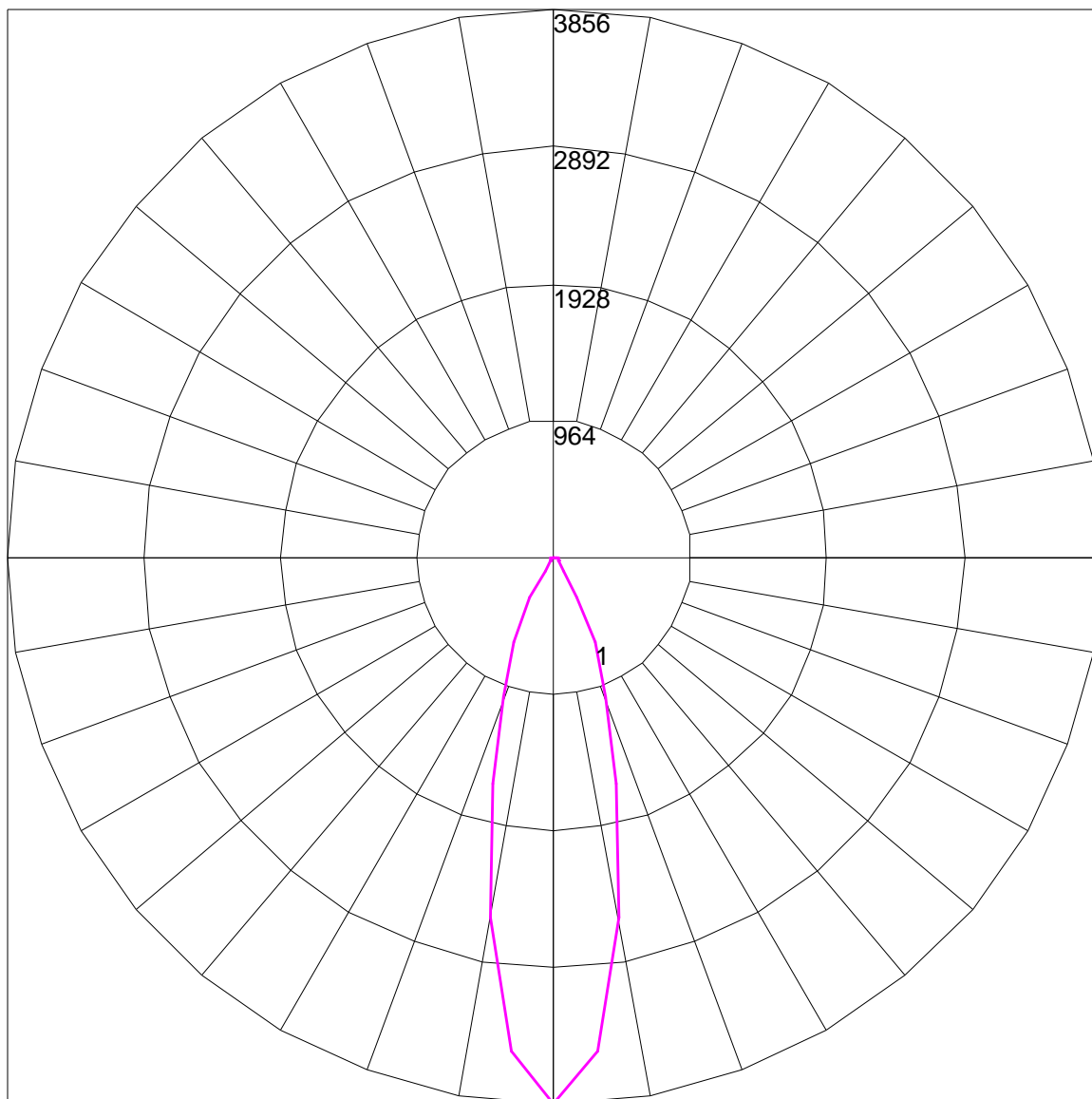
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	98	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	99	92	88	84	90	87	84	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	80	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	62	61

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POLAR GRAPH



Maximum Candela = 3856.257 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)