

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00547.3_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/21/2017

[UPDATE] 4/20/2017

[LUMCAT] SS4MRx-XT20L-E1-SDD4x-xxK-ND-MW-NL

[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Narrow Beam

[OTHER] Matte White Trim, No lens

[OTHER] 21.5 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 Constuction 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	1446
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.36
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_3 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9043	9856	4769
55	6603	10719	9246
65	6783	7270	5387
75	1144	1643	1856
85	2367	2247	2200

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	7208.084	7208.084	7208.084	7208.084	7208.084
5	6628.441	6463.869	5812.119	5791.708	5429.643
10	3899.865	3684.828	3150.609	3047.422	2757.358
15	1831.627	1770.509	1490.282	1465.267	1324.721
20	994.501	944.852	824.584	863.902	813.149
25	636.389	657.788	639.399	611.499	544.107
30	316.162	423.129	535.897	356.108	259.509
35	90.302	174.638	308.825	126.004	67.715
40	35.528	45.965	93.175	29.031	22.760
45	23.311	25.254	25.407	17.439	12.294
50	13.416	18.405	22.620	14.606	9.581
55	13.806	18.850	22.413	20.009	19.334
60	19.637	21.799	21.197	21.309	21.764
65	10.450	12.863	11.201	12.019	8.299
70	2.580	4.653	2.569	3.173	2.988
75	1.079	1.295	1.550	1.919	1.751
80	0.987	1.043	0.598	0.820	1.629
85	0.752	0.702	0.714	0.779	0.699
90	0.896	0.415	0.746	0.241	0.710

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWNL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	984.03	N.A.	68.10
0-30	1272.07	N.A.	88.00
0-40	1393.38	N.A.	96.40
0-60	1431.51	N.A.	99.00
0-80	1445.08	N.A.	99.90
0-90	1445.88	N.A.	100.00
10-90	954.04	N.A.	66.00
20-40	409.35	N.A.	28.30
20-50	430.19	N.A.	29.80
40-70	49.77	N.A.	3.40
60-80	13.57	N.A.	0.90
70-80	1.93	N.A.	0.10
80-90	0.81	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	1445.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	491.85
10-20	492.18
20-30	288.04
30-40	121.30
40-50	20.84
50-60	17.29
60-70	11.64
70-80	1.93
80-90	0.81
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_3 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWNL.IES

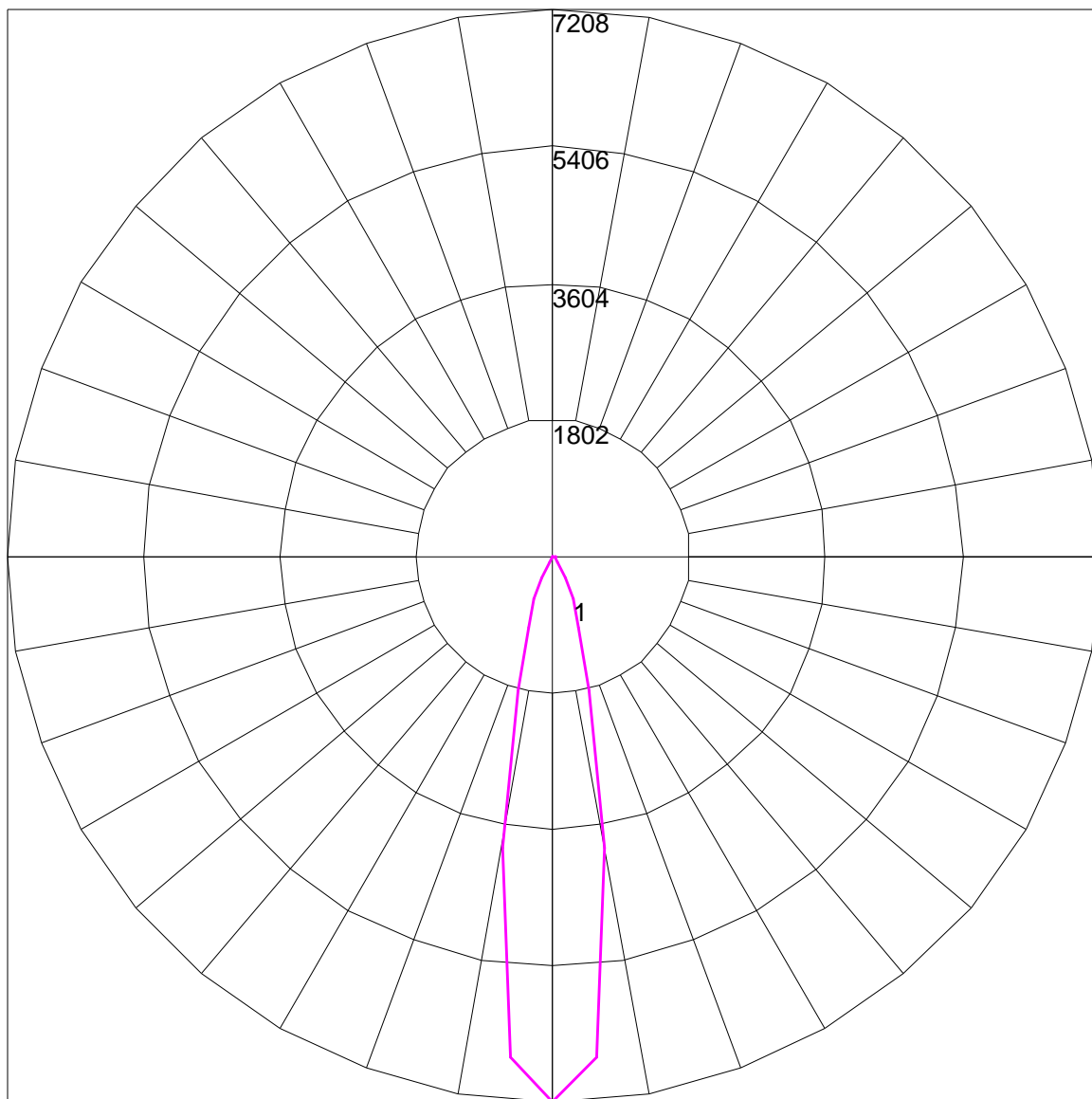
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	94	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	77	75
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73
9	87	80	75	72	86	80	75	72	79	75	72	78	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_3 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWNL.IES

POLAR GRAPH



Maximum Candela = 7208.084 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)