

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_9 ~ SS4MX-XT20LE1-SDD4X-XXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00547.9_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 3/21/2017

[UPDATE] 4/26/2017

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

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

[OTHER] Matte White Trim, No lens

[OTHER] 35.4 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	1529
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.56
Spacing Criterion (Diagonal)	0.64
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	15480	17985	15767
55	12371	14221	11992
65	4521	4175	3996
75	1498	1874	1319
85	2304	3100	2603

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_9 ~ SS4MX-XT20LE1-SDD4X-XXK-WDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3311.564	3311.564	3311.564	3311.564	3311.564
5	3127.883	3154.620	3135.354	3143.408	3108.007
10	2614.048	2695.268	2678.412	2660.361	2574.408
15	1967.062	2077.414	2060.946	2026.103	1924.848
20	1393.299	1473.545	1446.668	1440.519	1361.230
25	904.012	990.141	968.216	958.776	871.062
30	453.302	580.526	646.769	531.805	415.373
35	144.967	240.404	369.605	196.075	127.386
40	46.901	73.400	139.809	54.848	46.703
45	39.905	38.683	46.361	40.862	40.644
50	34.621	34.183	33.545	35.441	34.433
55	25.867	27.839	29.737	26.360	25.076
60	13.976	17.660	19.579	16.392	12.828
65	6.965	7.641	6.433	7.445	6.156
70	7.057	5.433	2.579	6.173	6.590
75	1.413	2.805	1.768	2.319	1.245
80	0.788	0.603	0.782	1.021	0.852
85	0.732	1.103	0.985	0.702	0.827
90	0.683	0.252	0.656	0.399	0.818

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Zone	Lumens	%Lamp	%Fixt
0-20	847.62	N.A.	55.40
0-30	1287.6	N.A.	84.20
0-40	1455.47	N.A.	95.20
0-60	1516.72	N.A.	99.20
0-80	1528.28	N.A.	99.90
0-90	1529.13	N.A.	100.00
10-90	1244.73	N.A.	81.40
20-40	607.85	N.A.	39.80
20-50	645.47	N.A.	42.20
40-70	70.13	N.A.	4.60
60-80	11.56	N.A.	0.80
70-80	2.68	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	1529.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	284.40
10-20	563.22
20-30	439.98
30-40	167.87
40-50	37.62
50-60	23.63
60-70	8.89
70-80	2.68
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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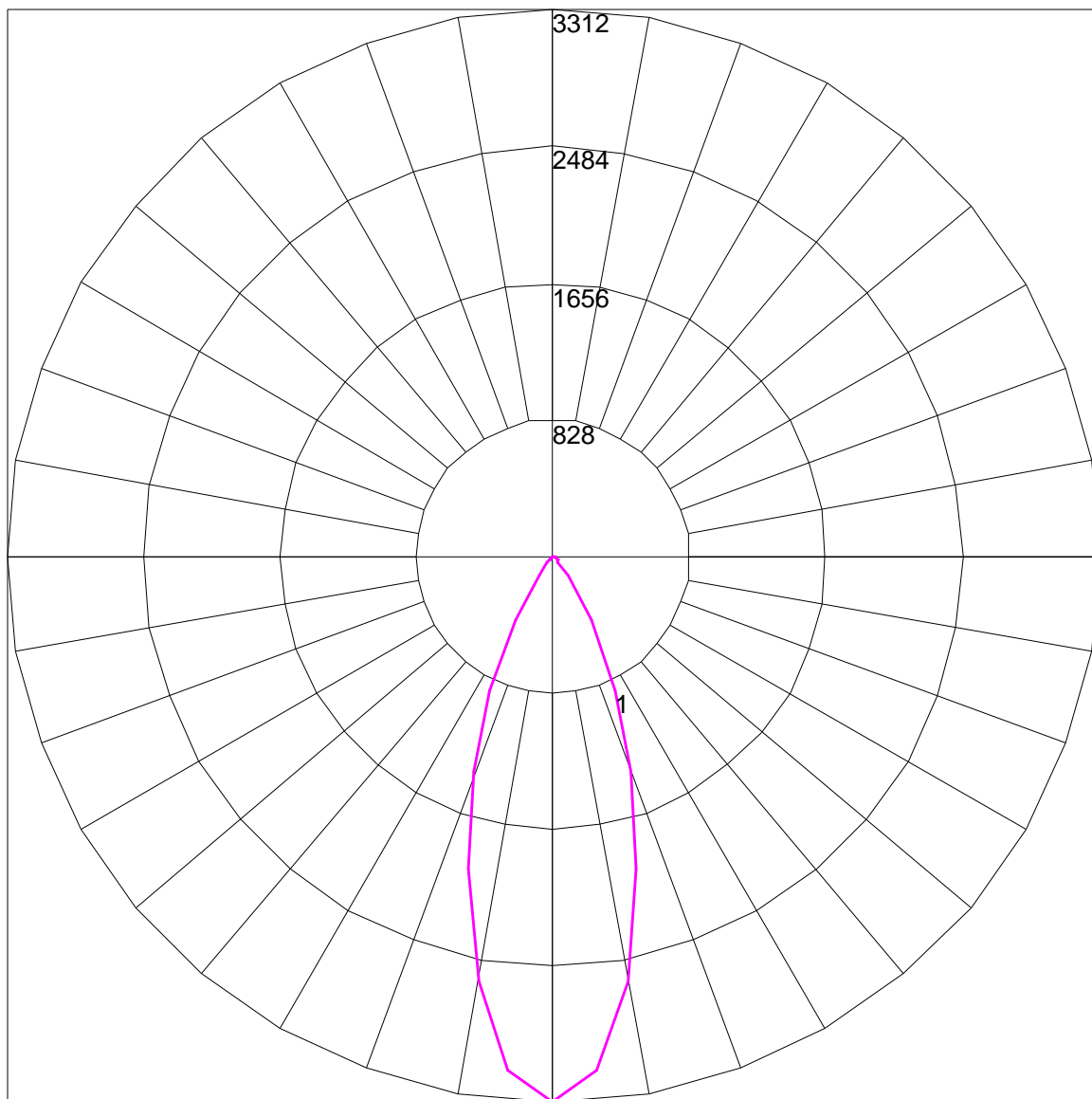
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	93	90	95	91	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	77	71	68	84	76	71	68	75	70	67	74	70	67	73	69	67	66
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	64	61	68	64	61	68	64	61	60

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POLAR GRAPH



Maximum Candela = 3311.564 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)