

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_5 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.5_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-SO
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 23.7 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	1312
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.40
Spacing Criterion (Diagonal)	0.42
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_5 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14826	26586	14742
55	9639	16029	9271
65	6511	6552	5802
75	1415	1965	1321
85	2121	2401	3059

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_5 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4881.778	4881.778	4881.778	4881.778	4881.778
5	4319.545	4364.836	4264.619	4324.558	4295.478
10	2911.056	2956.077	2823.904	2838.383	2775.194
15	1631.861	1661.670	1589.141	1560.575	1541.196
20	898.353	924.729	917.032	891.281	874.300
25	517.357	580.014	602.683	558.958	514.421
30	285.486	354.218	402.929	331.830	275.986
35	141.312	194.560	235.833	170.730	126.235
40	67.086	98.868	119.563	83.233	59.279
45	38.218	56.304	68.535	49.150	38.001
50	27.132	36.539	47.197	33.912	26.028
55	20.155	26.444	33.516	25.579	19.386
60	15.383	18.860	19.485	17.641	14.740
65	10.032	9.432	10.094	10.837	8.939
70	4.639	4.768	3.764	4.597	5.066
75	1.335	1.759	1.854	1.415	1.246
80	0.968	0.771	0.483	0.768	1.632
85	0.674	0.863	0.763	1.163	0.972
90	0.337	0.194	0.593	0.438	0.840

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Zone	Lumens	%Lamp	%Fixt
0-20	838.07	N.A.	63.90
0-30	1106.92	N.A.	84.40
0-40	1230.27	N.A.	93.80
0-60	1298.74	N.A.	99.00
0-80	1311.37	N.A.	99.90
0-90	1312.21	N.A.	100.00
10-90	945.38	N.A.	72.00
20-40	392.20	N.A.	29.90
20-50	436.91	N.A.	33.30
40-70	78.86	N.A.	6.00
60-80	12.63	N.A.	1.00
70-80	2.23	N.A.	0.20
80-90	0.84	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	1312.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	366.83
10-20	471.24
20-30	268.85
30-40	123.35
40-50	44.71
50-60	23.76
60-70	10.40
70-80	2.23
80-90	0.84
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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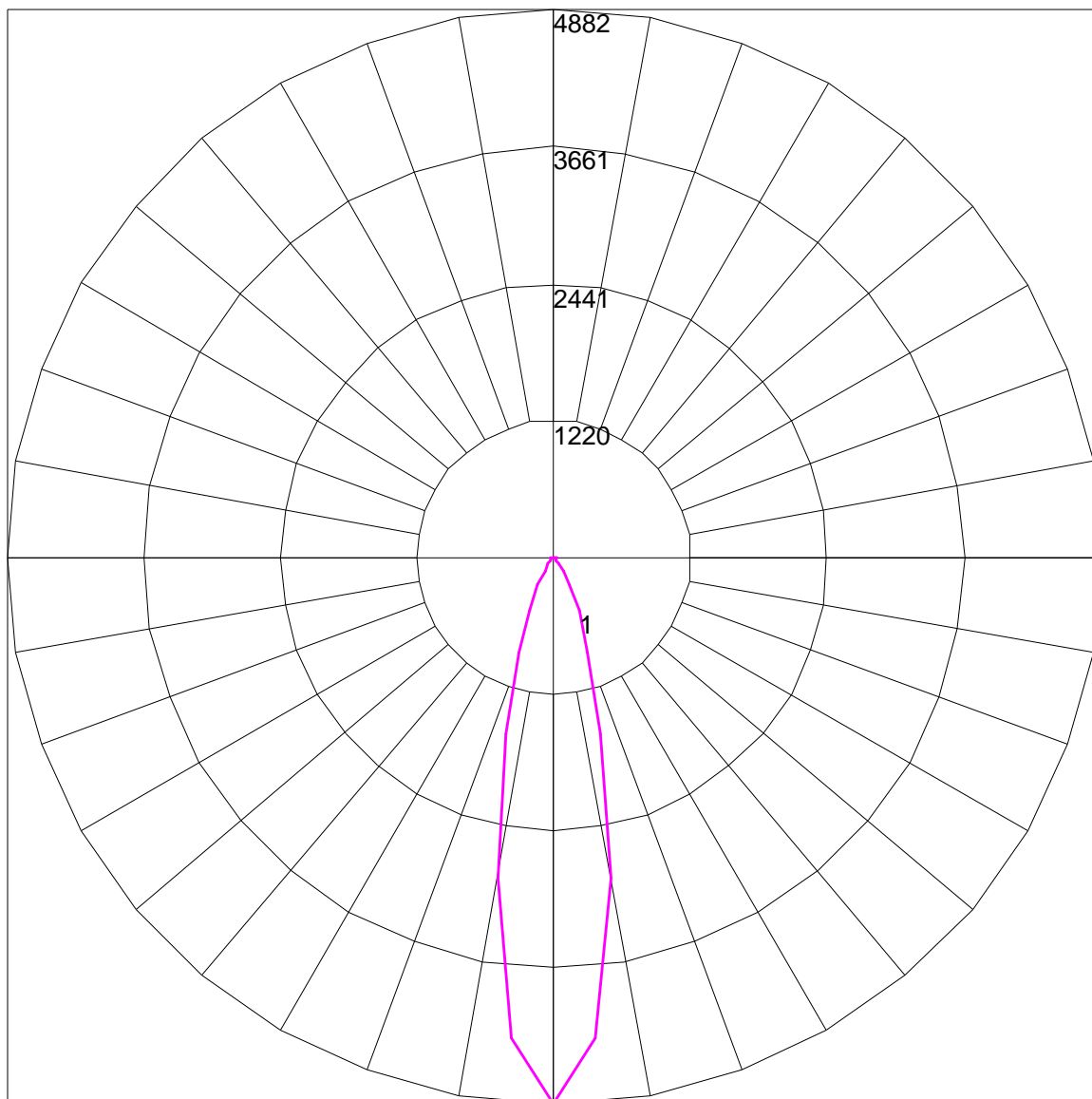
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	97	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	85	77	72	69	84	76	72	69	76	71	68	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	69	66	72	68	66	65

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POLAR GRAPH



Maximum Candela = 4881.778 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)