

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_2 ~ SS4MX-XT20LE1-SDD4X-XXK-XNMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.2
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/21/2017
[UPDATE] 5/5/2017
[LUMCAT] SS4MRx-XT20L-E1-SDD4x-xxK-XN-MW-SO
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Xtra Narrow Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 17.9 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	1533
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.32
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	13836	25394	13387
55	8932	13264	8276
65	4387	5452	4414
75	1923	2383	1874
85	3962	4441	4069

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	9493.900	9493.900	9493.900	9493.900	9493.900
5	7930.674	8031.414	7529.618	7432.281	7091.682
10	3913.996	4130.368	3703.389	3544.467	3115.629
15	1413.740	1610.719	1498.640	1390.845	1184.089
20	686.276	778.490	779.783	731.465	661.332
25	456.935	526.918	575.142	508.867	464.862
30	275.831	352.872	422.416	320.592	252.110
35	133.026	193.603	256.576	147.169	110.595
40	60.999	92.367	119.203	68.289	57.492
45	35.666	48.967	65.460	42.871	34.510
50	25.288	29.361	44.500	30.554	23.394
55	18.677	20.839	27.735	21.500	17.305
60	11.780	14.354	16.263	13.776	11.742
65	6.759	10.176	8.400	8.617	6.800
70	4.538	4.326	4.815	6.018	3.923
75	1.814	2.464	2.248	2.488	1.768
80	0.996	1.342	1.417	1.540	1.470
85	1.259	1.320	1.411	0.733	1.293
90	1.168	0.394	1.497	0.773	1.062

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Zone	Lumens	%Lamp	%Fixt
0-20	1098.07	N.A.	71.60
0-30	1338.67	N.A.	87.30
0-40	1459.35	N.A.	95.20
0-60	1520.29	N.A.	99.20
0-80	1531.98	N.A.	99.90
0-90	1533.26	N.A.	100.00
10-90	922.59	N.A.	60.20
20-40	361.28	N.A.	23.60
20-50	402.10	N.A.	26.20
40-70	69.80	N.A.	4.60
60-80	11.68	N.A.	0.80
70-80	2.83	N.A.	0.20
80-90	1.28	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	1533.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	610.67
10-20	487.40
20-30	240.60
30-40	120.68
40-50	40.83
50-60	20.12
60-70	8.86
70-80	2.83
80-90	1.28
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

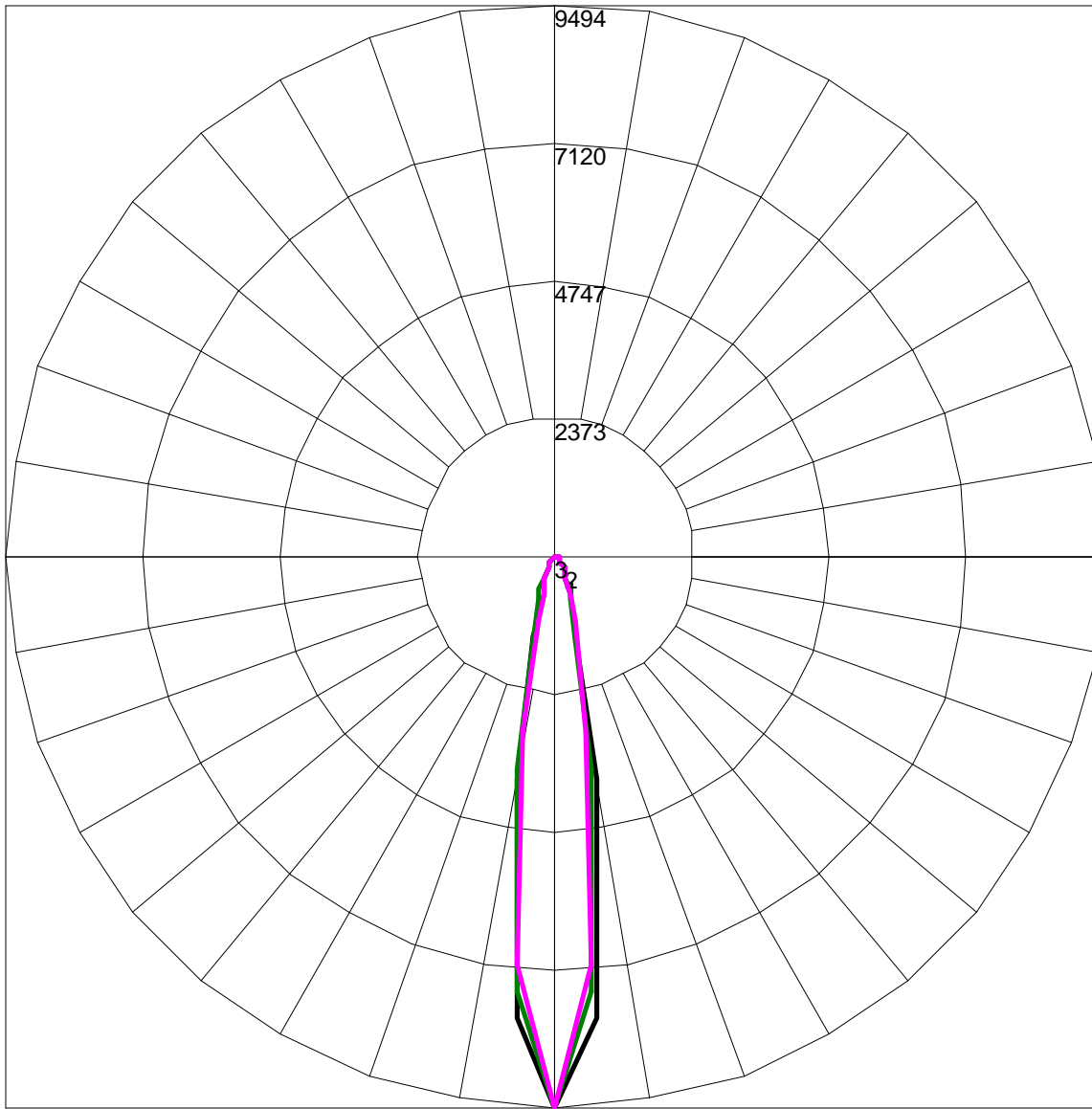
Effective Floor Cavity Reflectance 0.20

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	82
6	97	90	86	83	96	90	85	82	88	85	82	87	84	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73
10	86	80	75	73	86	79	75	72	78	75	72	78	74	72	77	74	72	71

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POLAR GRAPH



Maximum Candela = 9493.9 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)