

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_18 ~ SS3MX-XT10LE1-SD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_18_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/17/2017
[UPDATE] 5/10/2017
[LUMCAT] SS3Mx-XT10L-E1-SD3x-MD-MW-NL
[LUMINAIRE] Nom. 3" Square Downlight, Medium Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 42.6 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: SS3MO-XT-series
[OTHER] For New Construction IC Rated Housing: SS3MI-XT-Series
[OTHER] For Remodel/Retrofit Housing: SS3MR-XT-Series
[OTHER] For SD3F or SD3N Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	760
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.70
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3082	3278	3150
55	2383	2223	2163
65	1342	688	970
75	662	604	616
85	1065	988	951

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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	1474.684	1474.684	1474.684	1474.684	1474.684
5	1424.440	1439.083	1445.170	1440.076	1433.614
10	1262.220	1287.012	1287.157	1289.087	1287.240
15	1026.910	1056.594	1067.427	1046.455	1032.679
20	777.830	806.001	803.590	797.766	779.428
25	479.334	530.632	558.293	528.849	482.471
30	180.064	248.866	333.360	245.161	191.800
35	40.110	72.491	144.231	54.985	34.047
40	22.675	21.701	48.376	23.789	24.815
45	19.791	18.108	21.051	19.817	20.226
50	16.551	15.908	16.487	15.747	16.073
55	12.410	11.448	11.579	11.269	11.268
60	7.817	7.527	6.123	6.917	7.011
65	5.151	2.911	2.639	3.752	3.722
70	2.974	2.248	2.259	2.099	2.282
75	1.555	1.546	1.420	1.817	1.447
80	1.518	1.353	1.329	1.178	1.067
85	0.843	0.781	0.782	0.784	0.753
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	422.90	N.A.	55.70
0-30	659.92	N.A.	86.90
0-40	726.38	N.A.	95.60
0-60	753.02	N.A.	99.10
0-80	758.79	N.A.	99.90
0-90	759.56	N.A.	100.00
10-90	627.34	N.A.	82.60
20-40	303.48	N.A.	40.00
20-50	319.83	N.A.	42.10
40-70	30.63	N.A.	4.00
60-80	5.77	N.A.	0.80
70-80	1.78	N.A.	0.20
80-90	0.78	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	759.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.23
10-20	290.67
20-30	237.02
30-40	66.46
40-50	16.35
50-60	10.29
60-70	3.99
70-80	1.78
80-90	0.78
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

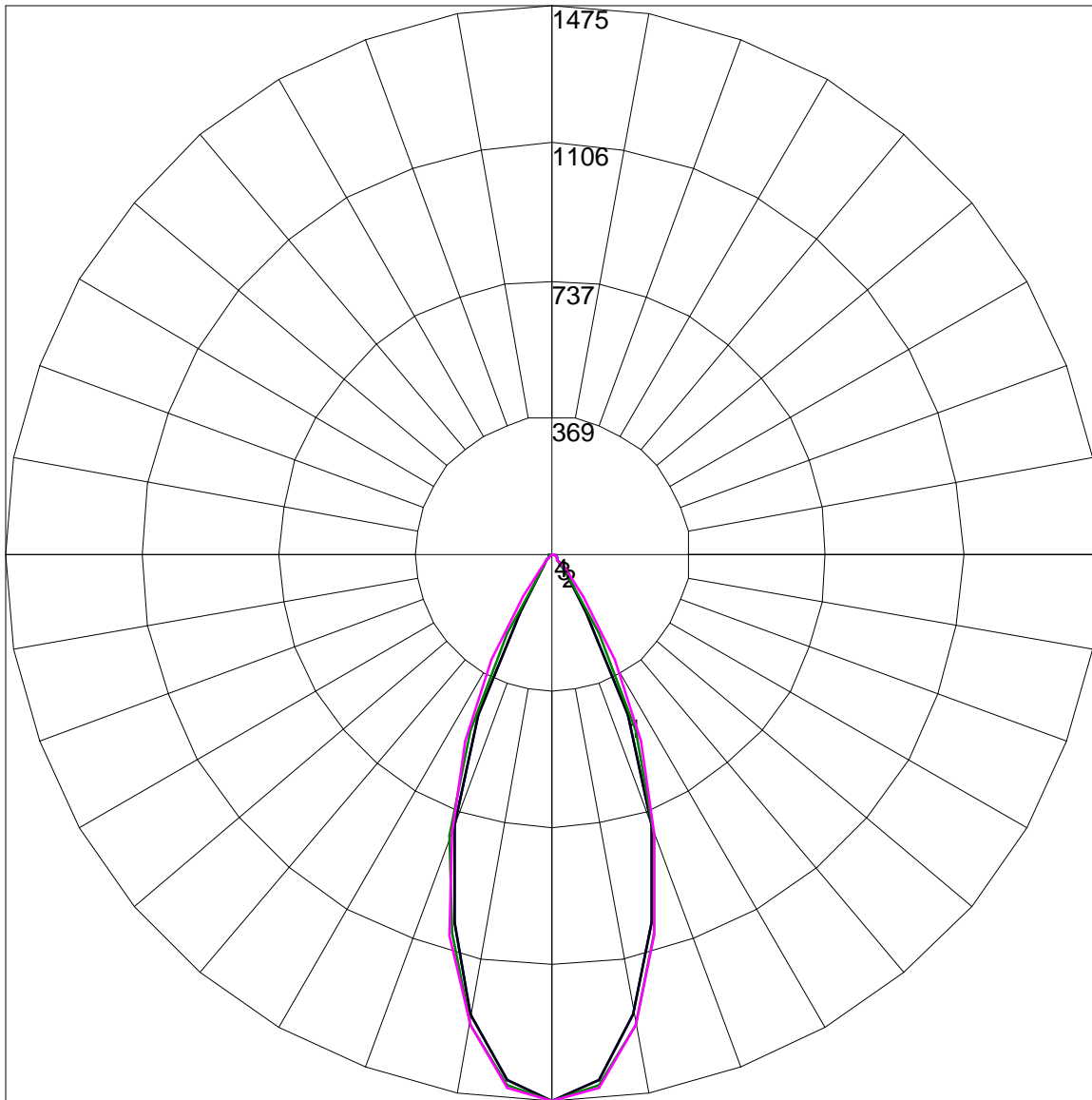
Effective Floor Cavity Reflectance 0.20

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	111	109	107	112	109	107	105	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	92	89	93	90	87	90	88	86	85
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	79	74	71	77	73	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

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POLAR GRAPH



Maximum Candela = 1474.684 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

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

3 - Vertical Plane Through Horizontal Angles (22 - 202)

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