

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_24 ~ SS3DMX-XT10LE1-SDD3X-XXK-XNMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_24_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/17/2017
[UPDATE] 5/1/2017
[LUMCAT] SS3DMx-XT10L-E1-SDD3x-xxK-XN-MW-NL
[LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Xtra Narrow Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 11.4 Degree Beam Angle
[LAMP] N/A, 9mm LES
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] For New Construction Non-IC Housing: SS3DMO-XT-series
[OTHER] For New Construction IC Rated Housing: SS3DMI-XT-Series
[OTHER] For Remodel/Retrofit Housing: SS3DMR-XT-Series
[OTHER] For SDD3F or SDD3N 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	617
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.22
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	826	1028	819
55	1644	1445	1306
65	441	815	621
75	225	523	350
85	0	0	0

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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	6377.709	6377.709	6377.709	6377.709	6377.709
5	3743.666	3784.669	3853.009	3900.834	3904.359
10	950.124	901.475	850.048	837.050	835.342
15	399.424	395.969	394.441	395.997	399.686
20	337.952	332.881	332.414	333.784	331.635
25	277.533	304.295	311.584	307.303	293.316
30	90.030	141.904	290.034	179.145	113.983
35	17.925	20.869	171.686	22.107	16.470
40	9.448	9.916	32.017	8.659	8.815
45	5.307	6.390	6.602	5.365	5.262
50	4.159	4.056	5.417	4.798	3.263
55	8.563	7.820	7.528	7.760	6.801
60	8.107	9.696	9.654	6.002	8.748
65	1.692	3.457	3.126	2.367	2.383
70	1.075	0.872	0.833	1.107	1.358
75	0.528	0.684	1.230	0.644	0.823
80	0.661	0.765	0.621	0.596	0.260
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	425.99	N.A.	69.00
0-30	553.45	N.A.	89.60
0-40	600.40	N.A.	97.20
0-60	612.75	N.A.	99.20
0-80	617.27	N.A.	100.00
0-90	617.44	N.A.	100.00
10-90	326.75	N.A.	52.90
20-40	174.41	N.A.	28.20
20-50	180.37	N.A.	29.20
40-70	16.02	N.A.	2.60
60-80	4.53	N.A.	0.70
70-80	0.85	N.A.	0.10
80-90	0.17	N.A.	0.00
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	617.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	290.68
10-20	135.31
20-30	127.46
30-40	46.95
40-50	5.96
50-60	6.38
60-70	3.67
70-80	0.85
80-90	0.17
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

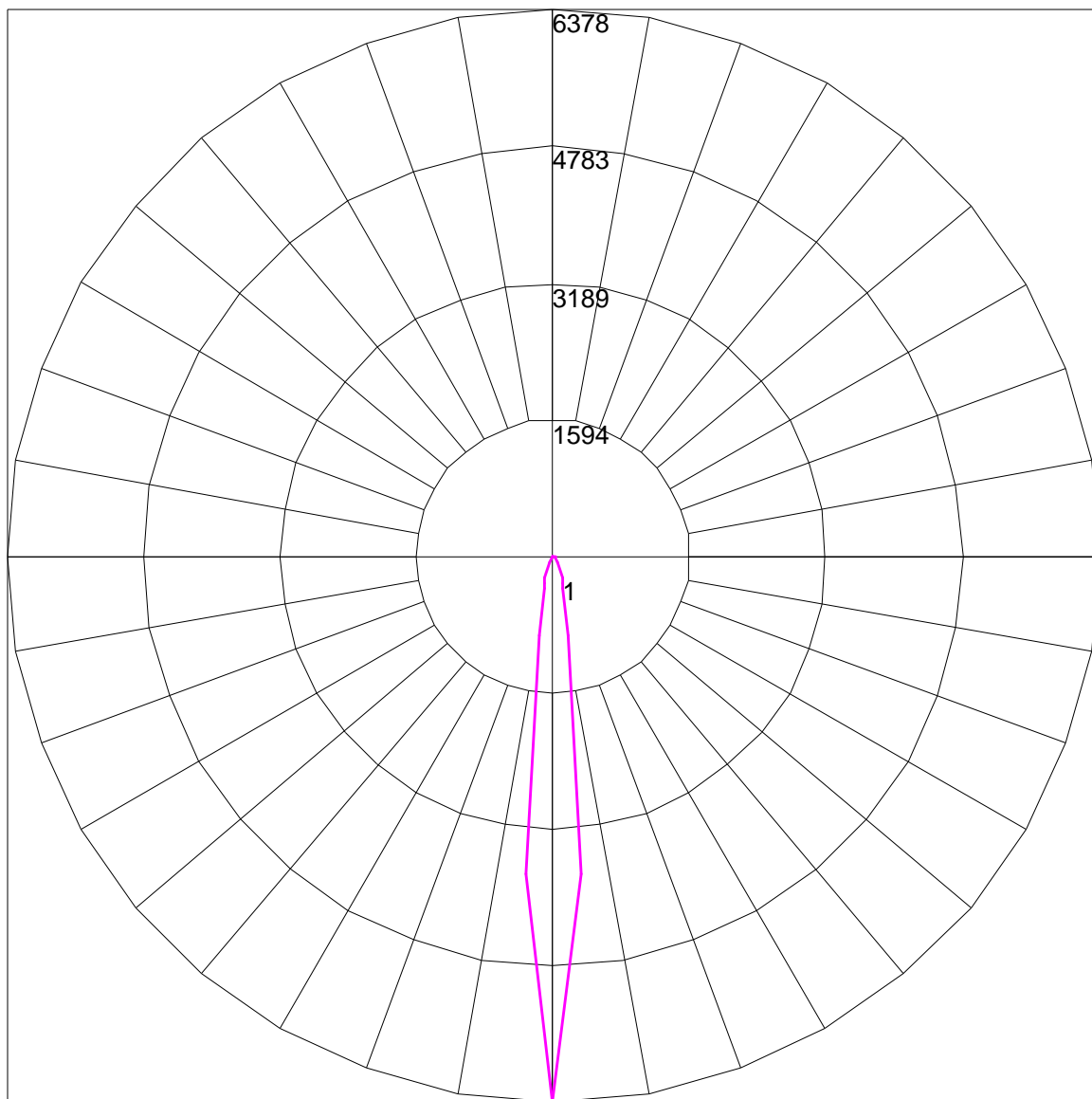
Effective Floor Cavity Reflectance 0.20

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

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POLAR GRAPH



Maximum Candela = 6377.709 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)