

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_22 ~ SS3MX-XT10LE1-SD3X-XXK-WDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_22_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/17/2017
[UPDATE] 5/10/2017
[LUMCAT] SS3Mx-XT10L-E1-SD3x-ND-MW-SO
[LUMINAIRE] Nom. 3" Square Downlight, Wide Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 48.8 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	796
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.82
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	5750	10022	5390
55	3758	4181	3768
65	4274	3407	3788
75	3217	2817	2083
85	771	823	855

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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	1086.605	1086.605	1086.605	1086.605	1086.605
5	1058.452	1062.122	1060.445	1057.055	1062.761
10	977.390	996.194	993.771	982.200	978.291
15	842.443	876.509	878.778	855.037	835.613
20	664.477	714.096	726.268	697.095	658.569
25	468.913	532.132	566.919	516.140	465.853
30	294.645	356.591	405.098	341.777	292.573
35	169.485	213.012	253.308	198.223	160.446
40	81.634	111.129	135.160	98.237	69.340
45	36.922	52.223	64.356	45.534	34.609
50	23.725	28.785	33.499	27.213	22.889
55	19.574	21.635	21.779	21.130	19.626
60	18.806	18.382	17.745	17.859	16.943
65	16.403	15.753	13.075	14.227	14.537
70	12.113	11.487	9.788	10.365	9.548
75	7.562	7.729	6.620	6.015	4.896
80	3.247	3.705	3.233	2.796	2.178
85	0.610	1.064	0.651	0.950	0.677
90	0.595	0.710	0.771	0.512	0.522

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Zone	Lumens	%Lamp	%Fixt
0-20	337.38	N.A.	42.40
0-30	575.46	N.A.	72.30
0-40	709.55	N.A.	89.10
0-60	773.57	N.A.	97.10
0-80	795.01	N.A.	99.80
0-90	796.48	N.A.	100.00
10-90	697.57	N.A.	87.60
20-40	372.17	N.A.	46.70
20-50	416.47	N.A.	52.30
40-70	78.33	N.A.	9.80
60-80	21.44	N.A.	2.70
70-80	7.12	N.A.	0.90
80-90	1.47	N.A.	0.20
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	796.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.91
10-20	238.47
20-30	238.08
30-40	134.09
40-50	44.30
50-60	19.72
60-70	14.32
70-80	7.12
80-90	1.47
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

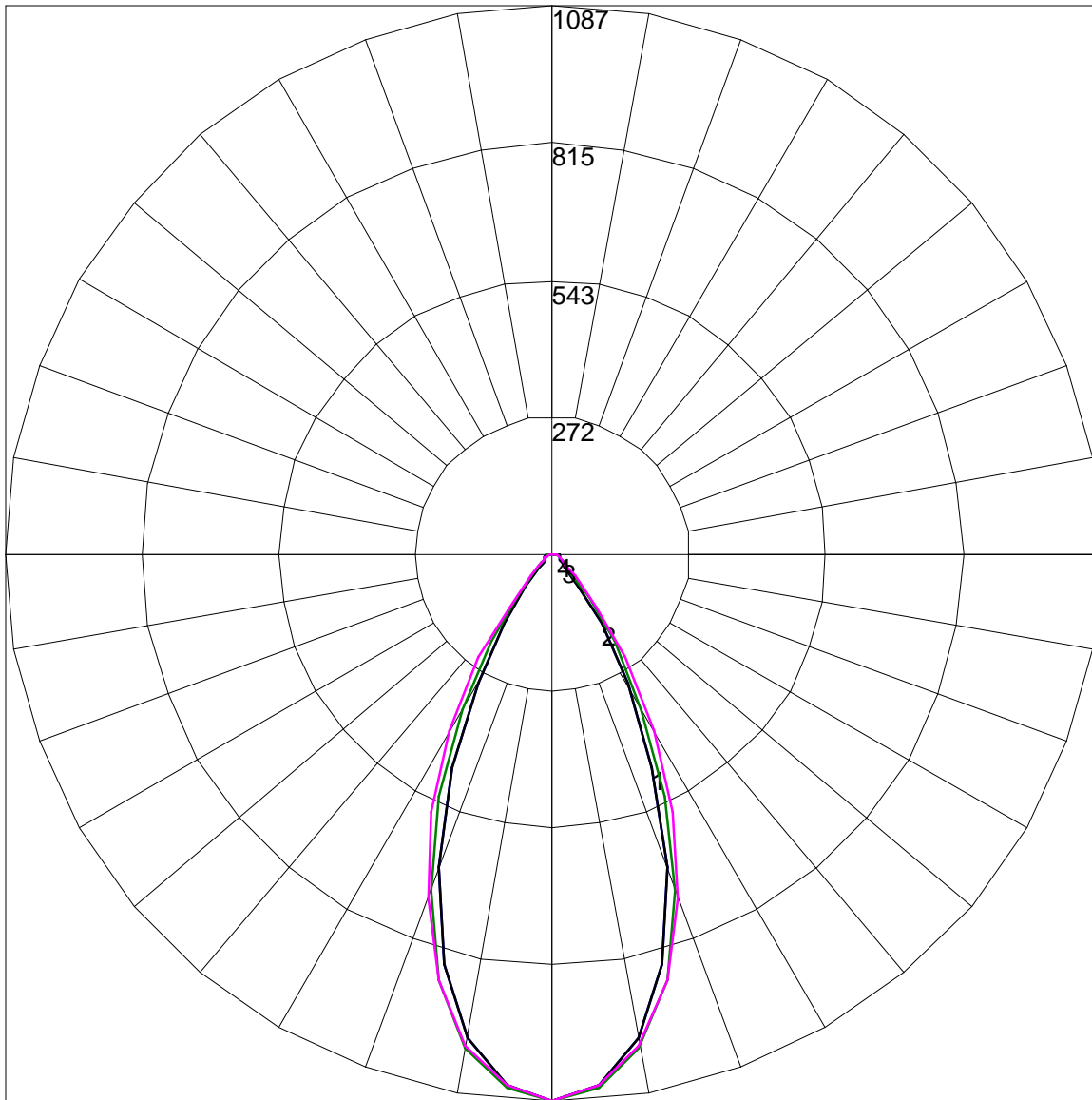
Effective Floor Cavity Reflectance 0.20

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	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93
2	108	103	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75
5	92	84	78	73	90	83	77	73	81	76	72	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	74	68	64	72	67	63	71	67	63	70	66	63	61
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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POLAR GRAPH



Maximum Candela = 1086.605 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)