

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_17 ~ SS3MX-XT10LE1-SD3X-XXK-NDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_17_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/17/2017
[UPDATE] 5/10/2017
[LUMCAT] SS3MX-XT10L-E1-SD3x-ND-MW-GL
[LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam
[OTHER] Matte White Trim, Clear Glass Lens
[OTHER] 26.9 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: 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	589
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
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	3480	4433	3717
55	4092	6056	4188
65	5842	4145	5457
75	1104	1307	1107
85	1160	1175	888

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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	1588.912	1588.912	1588.912	1588.912	1588.912
5	1499.701	1479.788	1485.733	1492.628	1505.266
10	1094.339	1076.801	1081.715	1091.591	1098.597
15	682.406	673.321	642.141	655.276	688.072
20	458.927	459.168	453.651	460.827	461.834
25	267.285	300.576	333.502	327.230	270.039
30	123.490	153.690	235.138	188.847	124.355
35	38.538	50.028	120.828	70.111	38.547
40	25.545	26.175	41.394	27.582	26.483
45	22.343	23.507	28.465	24.773	23.871
50	23.268	27.605	32.682	27.996	24.898
55	21.313	25.302	31.542	27.717	21.815
60	28.732	29.735	30.344	29.891	28.605
65	22.420	18.919	15.909	18.733	20.942
70	8.454	7.064	6.385	6.279	7.771
75	2.595	3.213	3.072	2.989	2.603
80	2.757	2.400	2.416	2.591	3.445
85	0.918	0.573	0.930	0.695	0.703
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	325.35	N.A.	55.20
0-30	466.80	N.A.	79.30
0-40	519.63	N.A.	88.20
0-60	565.44	N.A.	96.00
0-80	587.84	N.A.	99.80
0-90	588.97	N.A.	100.00
10-90	459.98	N.A.	78.10
20-40	194.28	N.A.	33.00
20-50	215.23	N.A.	36.50
40-70	64.12	N.A.	10.90
60-80	22.40	N.A.	3.80
70-80	4.09	N.A.	0.70
80-90	1.12	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	588.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	128.99
10-20	196.36
20-30	141.45
30-40	52.83
40-50	20.95
50-60	24.87
60-70	18.31
70-80	4.09
80-90	1.12
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

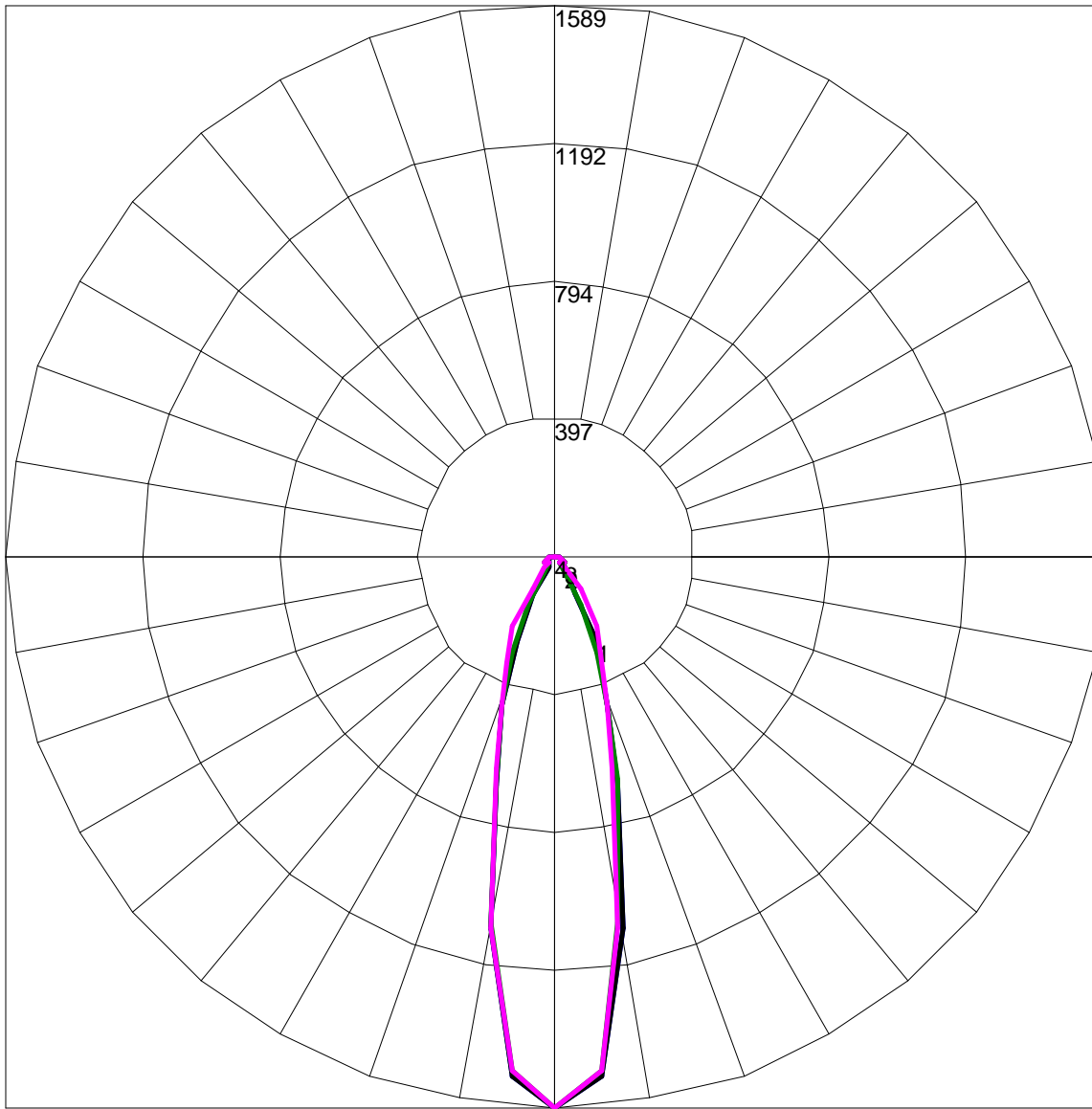
Effective Floor Cavity Reflectance 0.20

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	108	106	111	109	106	105	105	103	101	101	100	98	98	96	95	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	77	73	89	81	76	72	80	75	72	79	75	72	77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	69	64	60	77	68	63	60	68	63	60	67	63	60	66	62	60	58

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POLAR GRAPH



Maximum Candela = 1588.912 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)