

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_16 ~ SS3MX-XT10LE1-SD3X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_16_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-SO
[LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 27.6 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	606
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.52
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	4379	5588	4387
55	4822	6156	5249
65	4670	4336	4481
75	3154	2848	2759
85	1506	930	1018

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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	1551.013	1551.013	1551.013	1551.013	1551.013
5	1442.931	1446.183	1448.227	1441.381	1439.243
10	1094.393	1080.658	1070.750	1067.854	1072.632
15	711.550	693.273	678.337	692.009	708.396
20	468.451	469.563	466.967	469.478	461.920
25	278.685	307.576	339.228	314.783	275.504
30	138.245	172.150	224.339	176.028	134.082
35	59.138	74.412	118.083	78.523	58.695
40	33.833	37.825	54.141	39.486	33.591
45	28.116	30.520	35.883	29.599	28.172
50	27.375	30.168	34.014	30.237	27.534
55	25.118	28.472	32.063	29.791	27.342
60	23.850	24.874	24.442	23.669	22.980
65	17.922	18.348	16.641	17.179	17.199
70	12.065	12.122	10.207	10.970	10.980
75	7.414	6.495	6.693	6.792	6.485
80	3.433	3.128	3.190	2.953	2.826
85	1.192	0.961	0.736	0.858	0.806
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	326.59	N.A.	53.90
0-30	469.74	N.A.	77.60
0-40	528.63	N.A.	87.30
0-60	579.72	N.A.	95.70
0-80	604.39	N.A.	99.80
0-90	605.71	N.A.	100.00
10-90	479.76	N.A.	79.20
20-40	202.04	N.A.	33.40
20-50	227.86	N.A.	37.60
40-70	68.43	N.A.	11.30
60-80	24.67	N.A.	4.10
70-80	7.32	N.A.	1.20
80-90	1.33	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	605.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.95
10-20	200.64
20-30	143.15
30-40	58.89
40-50	25.82
50-60	25.27
60-70	17.35
70-80	7.32
80-90	1.33
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

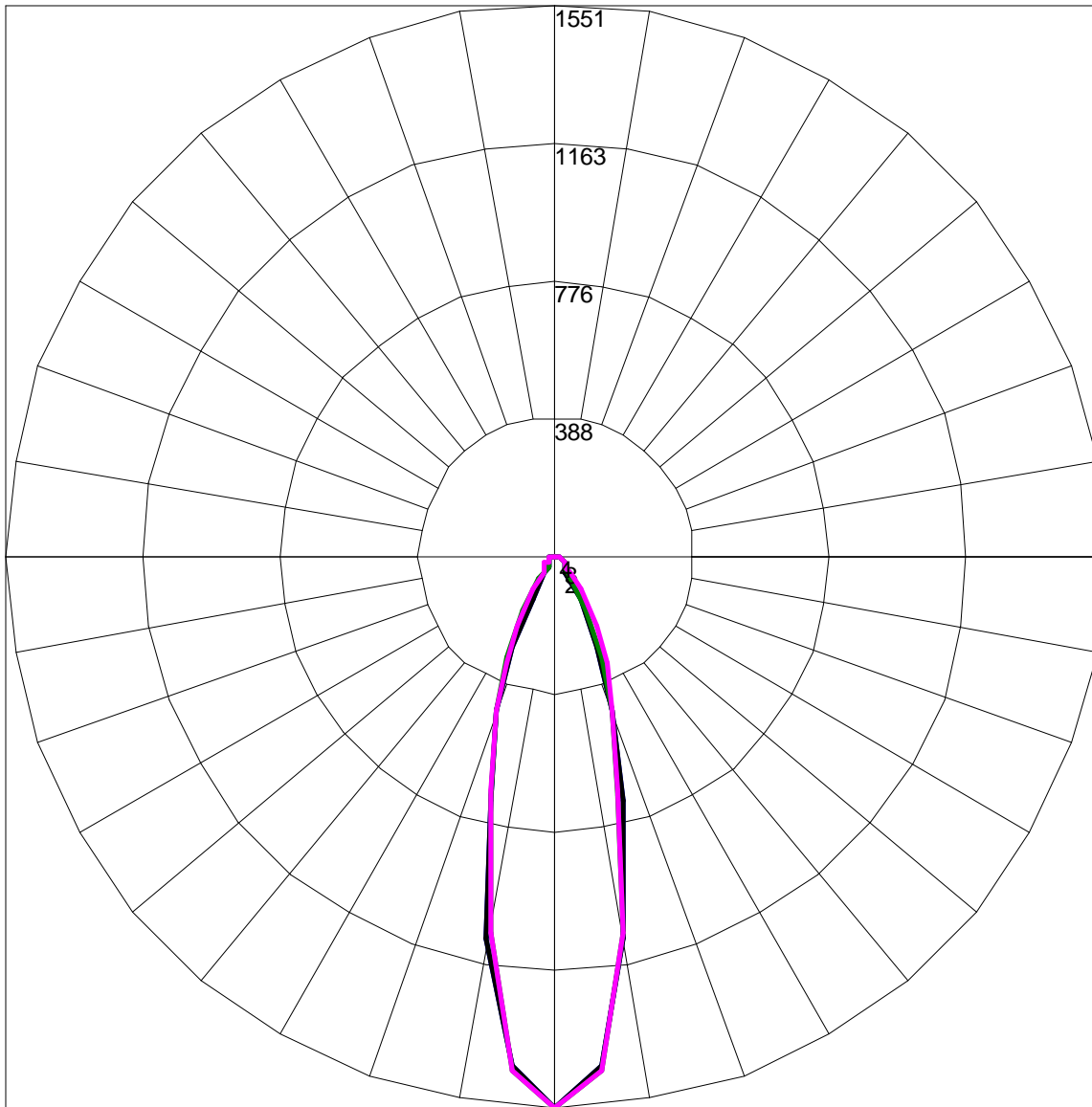
Effective Floor Cavity Reflectance 0.20

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	103	96	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	81
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	81	78	75	80	77	74	72
6	90	81	76	72	88	81	75	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62
9	80	71	65	62	78	70	65	62	69	65	61	68	64	61	68	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

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POLAR GRAPH



Maximum Candela = 1551.013 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)