

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_15 ~ SS3MX-XT10LE1-SD3X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_15_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/17/2017
[UPDATE] 5/10/2017
[LUMCAT] SS3Mx-XT10L-E1-SD3x-ND-MW-NL
[LUMINAIRE] Nom. 3" Square Downlight, Narrow Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 25.8 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	808
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	0.38
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	4342	3957	4342
55	7487	8336	7487
65	6359	8609	6359
75	1928	2075	1928
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	1918.191	1918.191	1918.191	1918.191	1918.191
5	1662.190	1908.289	1811.417	1908.289	1662.190
10	1036.134	1566.316	1367.801	1566.316	1036.134
15	703.051	969.190	820.773	969.190	703.051
20	463.388	654.010	579.997	654.010	463.388
25	252.408	475.441	419.432	475.441	252.408
30	104.202	350.555	293.134	350.555	104.202
35	27.345	206.339	153.055	206.339	27.345
40	24.005	76.127	54.060	76.127	24.005
45	27.880	24.604	25.411	24.604	27.880
50	24.679	24.145	34.801	24.145	24.679
55	39.000	31.273	43.419	31.273	39.000
60	47.078	44.711	53.200	44.711	47.078
65	24.405	49.016	33.038	49.016	24.405
70	5.935	25.600	14.554	25.600	5.935
75	4.531	9.070	4.878	9.070	4.531
80	8.215	5.476	3.462	5.476	8.215
85	0.000	8.020	0.000	8.020	0.000
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	412.66	N.A.	51.10
0-30	602.96	N.A.	74.70
0-40	699.57	N.A.	86.60
0-60	758.68	N.A.	93.90
0-80	803.88	N.A.	99.50
0-90	807.60	N.A.	100.00
10-90	648.17	N.A.	80.30
20-40	286.91	N.A.	35.50
20-50	312.94	N.A.	38.70
40-70	94.46	N.A.	11.70
60-80	45.20	N.A.	5.60
70-80	9.84	N.A.	1.20
80-90	3.72	N.A.	0.50
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	807.60	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.43
10-20	253.23
20-30	190.29
30-40	96.62
40-50	26.03
50-60	33.08
60-70	35.36
70-80	9.84
80-90	3.72
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

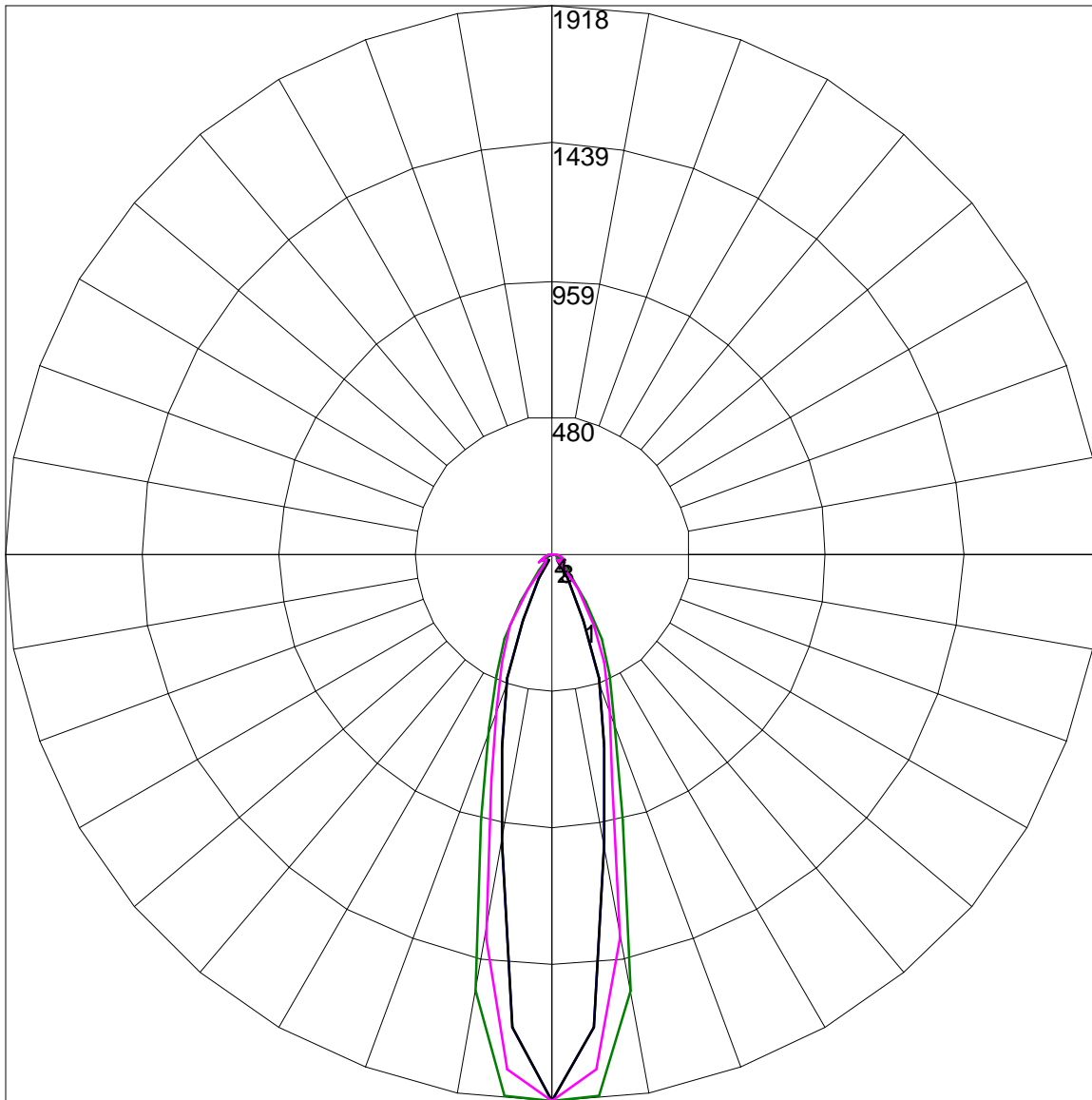
Effective Floor Cavity Reflectance 0.20

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	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	82	79	77	75
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61
9	78	69	64	60	77	69	63	60	68	63	60	67	63	59	66	62	59	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

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POLAR GRAPH



Maximum Candela = 1918.191 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)