

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_21 ~ SS3MX-XT10LE1-SD3X-XXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_21_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 2/17/2017

[UPDATE] 5/9/2017

[LUMCAT] SS3Mx-XT10L-E1-SD3x-WD-MW-NL

[LUMINAIRE] Nom. 3" Square Downlight, Wide Beam

[OTHER] Matte White Trim, No Lens

[OTHER] 50.3 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	894
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.86
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	1899	10065	1899
55	2087	1588	2087
65	2241	1676	2241
75	3980	3203	3980
85	888	1993	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	1188.996	1188.996	1188.996	1188.996	1188.996
5	1169.775	1174.646	1176.070	1174.646	1169.775
10	1097.883	1113.063	1118.156	1113.063	1097.883
15	950.517	984.595	1007.127	984.595	950.517
20	775.847	812.906	844.030	812.906	775.847
25	563.959	629.880	664.050	629.880	563.959
30	356.725	429.358	501.213	429.358	356.725
35	197.607	247.389	327.202	247.389	197.607
40	79.847	122.000	168.936	122.000	79.847
45	12.196	23.615	64.633	23.615	12.196
50	10.941	10.315	13.669	10.315	10.941
55	10.868	10.379	8.271	10.379	10.868
60	10.602	10.754	7.418	10.754	10.602
65	8.602	8.834	6.433	8.834	8.602
70	9.837	8.587	6.810	8.587	9.837
75	9.355	7.818	7.529	7.818	9.355
80	6.336	6.528	5.969	6.528	6.336
85	0.703	1.047	1.577	1.047	0.703
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	381.85	N.A.	42.70
0-30	665.21	N.A.	74.40
0-40	829.02	N.A.	92.70
0-60	875.34	N.A.	97.90
0-80	892.15	N.A.	99.70
0-90	894.47	N.A.	100.00
10-90	784.51	N.A.	87.70
20-40	447.17	N.A.	50.00
20-50	484.27	N.A.	54.10
40-70	54.92	N.A.	6.10
60-80	16.81	N.A.	1.90
70-80	8.21	N.A.	0.90
80-90	2.32	N.A.	0.30
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	894.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.96
10-20	271.89
20-30	283.35
30-40	163.81
40-50	37.11
50-60	9.22
60-70	8.60
70-80	8.21
80-90	2.32
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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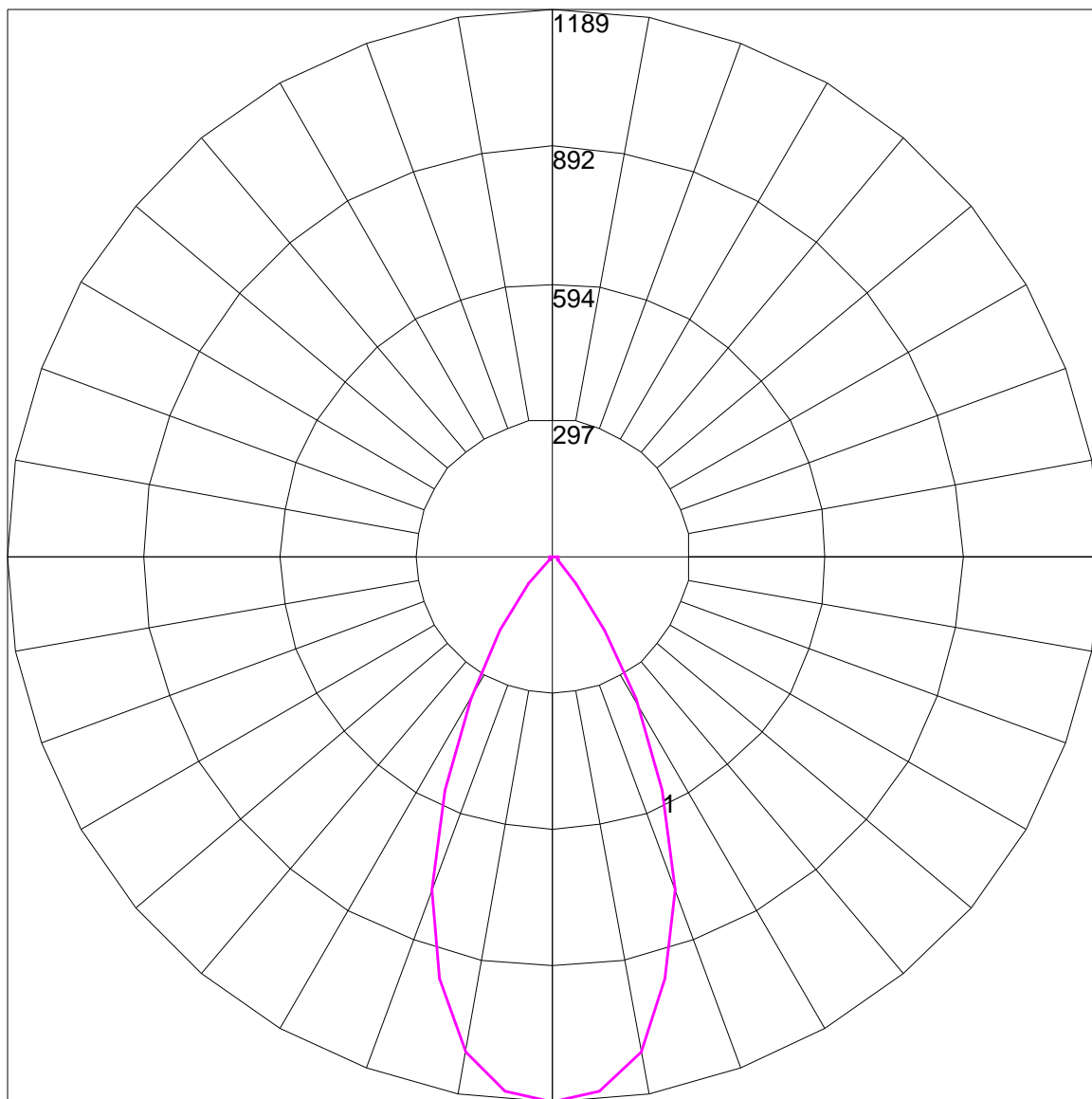
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	98	95	92	95	93	90	92	90	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	69	75	71	68	67
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	71	65	61	70	65	61	69	64	61	68	63	60	59
9	77	67	62	58	76	67	61	58	66	61	58	65	61	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 1188.996 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)