

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_20 ~ SS3MX-XT10LE1-SD3X-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_20_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/17/2017

[UPDATE] 5/8/2017

[LUMCAT] SS3Mx-XT10L-E1-SD3x-MD-MW-GL

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

[OTHER] Matte White Trim, Clear Glass Lens

[OTHER] 42.1 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	572
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.26
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	3460	3227	3094
55	1501	1562	1550
65	853	934	960
75	624	667	638
85	0	0	1093

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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	3792.285	3792.285	3792.285	3792.285	3792.285
5	2781.229	2746.507	2691.607	2626.635	2610.217
10	810.764	787.281	861.019	956.226	1042.497
15	371.456	367.799	362.552	364.123	372.968
20	279.508	280.772	283.129	282.945	283.193
25	258.134	260.918	259.534	262.619	262.480
30	237.038	239.201	241.114	243.566	246.074
35	139.081	139.687	140.902	142.346	150.981
40	35.877	40.838	40.150	41.751	45.407
45	22.215	23.455	20.724	19.095	19.867
50	15.295	16.353	12.052	10.963	10.748
55	7.820	8.830	8.135	7.564	8.071
60	5.270	5.212	5.285	5.143	5.895
65	3.274	2.933	3.586	3.656	3.683
70	2.650	2.916	2.699	2.840	3.439
75	1.467	1.226	1.568	1.300	1.500
80	0.579	0.789	0.661	0.878	0.811
85	0.000	0.852	0.000	0.000	0.865
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	332.89	N.A.	58.20
0-30	453.38	N.A.	79.20
0-40	540.34	N.A.	94.40
0-60	566.43	N.A.	99.00
0-80	571.83	N.A.	99.90
0-90	572.21	N.A.	100.00
10-90	366.90	N.A.	64.10
20-40	207.45	N.A.	36.30
20-50	225.82	N.A.	39.50
40-70	29.80	N.A.	5.20
60-80	5.40	N.A.	0.90
70-80	1.69	N.A.	0.30
80-90	0.38	N.A.	0.10
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	572.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	205.31
10-20	127.58
20-30	120.49
30-40	86.96
40-50	18.37
50-60	7.72
60-70	3.71
70-80	1.69
80-90	0.38
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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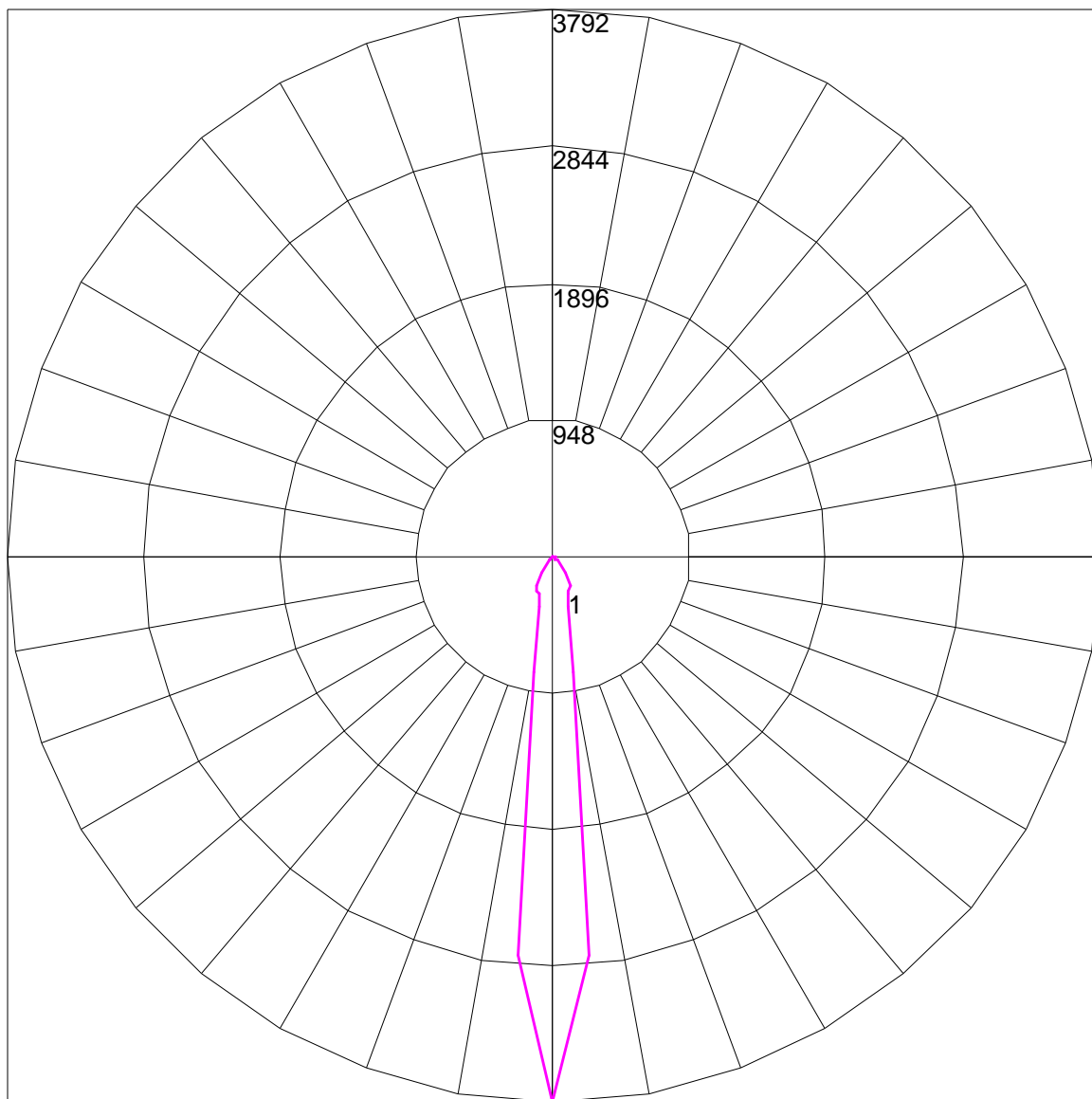
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	79	75	72	79	74	71	78	74	71	77	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	75	70	67	81	74	70	67	73	69	67	73	69	66	72	69	66	65

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POLAR GRAPH



Maximum Candela = 3792.285 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)