

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_8 ~ SS4MX-XT10LE1-SDD4X-XXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.8_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/21/2017
[UPDATE] 4/20/2017
[LUMCAT] SS4MRx-XT10L-E1-SDD4x-xxK-MD-MW-SO
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 29.7 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: SS4MO-XT-series
[OTHER] For New Construction IC Rated Housing: SS4MI-XT-Series
[OTHER] For Remodel/Retrofit Housing: SS4MR-XT-Series
[OTHER] For SDD4F or SDD4N Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	622
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.50
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.54
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10008	15299	10067
55	6845	9544	7258
65	4380	4425	4284
75	973	1222	766
85	1470	1215	922

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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	1565.799	1565.799	1565.799	1565.799	1565.799
5	1454.394	1462.948	1446.699	1461.007	1441.918
10	1128.607	1147.946	1120.551	1137.476	1117.043
15	773.434	790.600	769.059	777.477	764.446
20	497.694	518.561	508.518	506.330	491.458
25	303.948	334.820	340.351	324.058	300.400
30	166.661	199.874	221.378	190.418	161.822
35	81.517	106.204	129.181	97.266	76.699
40	40.701	54.052	67.704	48.977	38.707
45	25.800	32.608	39.439	30.637	25.952
50	19.111	22.817	27.760	22.238	20.091
55	14.313	16.318	19.957	16.247	15.177
60	10.718	11.286	12.612	11.795	10.532
65	6.748	7.528	6.818	7.809	6.601
70	3.318	4.122	3.068	4.439	3.642
75	0.918	1.403	1.153	1.171	0.723
80	0.433	0.456	0.427	0.591	0.572
85	0.467	0.247	0.386	0.417	0.293
90	0.279	0.186	0.379	0.134	0.222

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Zone	Lumens	%Lamp	%Fixt
0-20	347.65	N.A.	55.90
0-30	500.67	N.A.	80.50
0-40	570.35	N.A.	91.70
0-60	612.45	N.A.	98.50
0-80	621.52	N.A.	99.90
0-90	621.91	N.A.	100.00
10-90	493.26	N.A.	79.30
20-40	222.69	N.A.	35.80
20-50	249.55	N.A.	40.10
40-70	49.45	N.A.	8.00
60-80	9.07	N.A.	1.50
70-80	1.72	N.A.	0.30
80-90	0.39	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	621.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	128.65
10-20	219.00
20-30	153.02
30-40	69.68
40-50	26.85
50-60	15.24
60-70	7.35
70-80	1.72
80-90	0.39
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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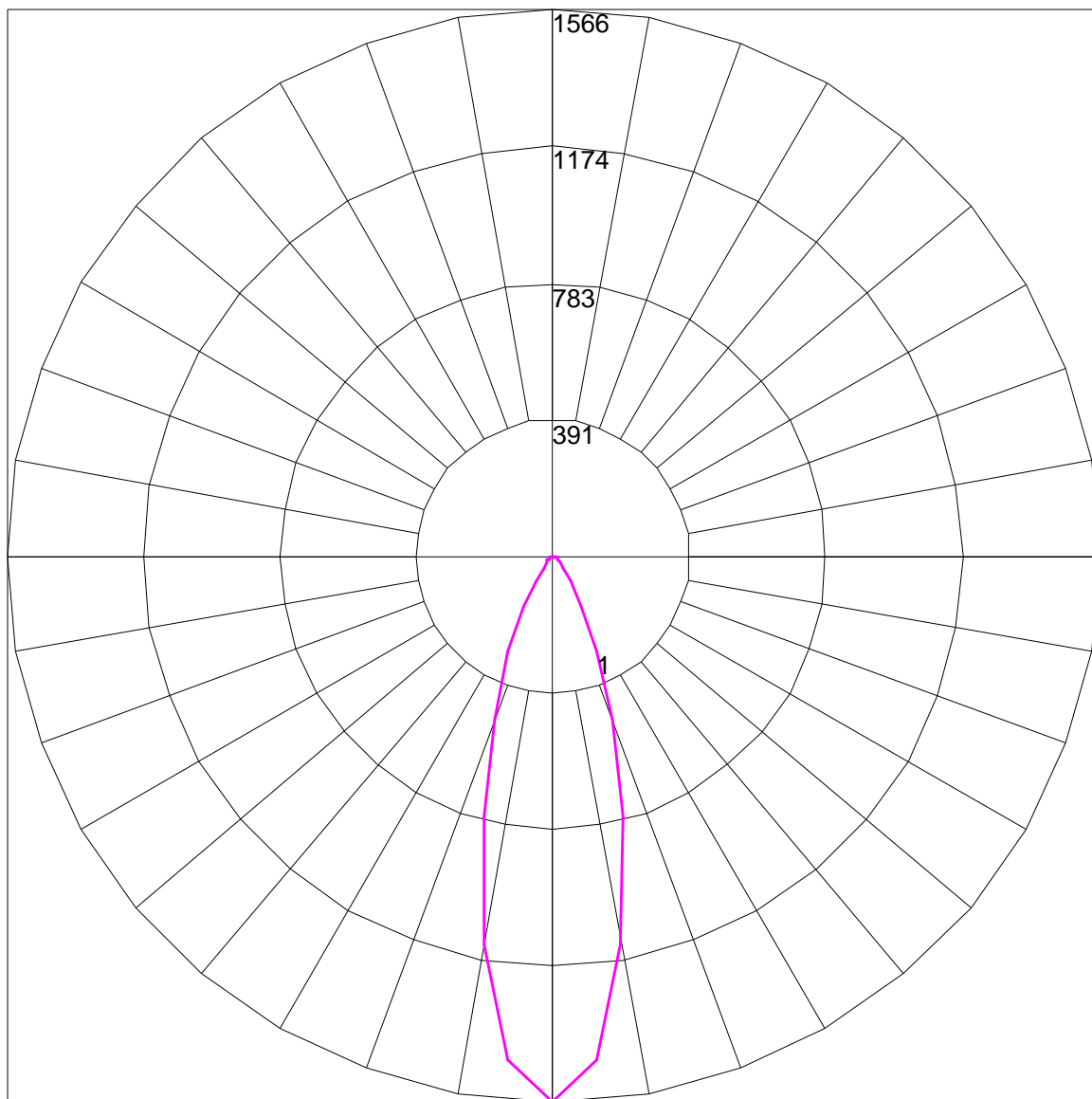
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	79	74	70	86	79	74	70	78	73	70	76	72	69	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59

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POLAR GRAPH



Maximum Candela = 1565.799 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)