

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_10 ~ SS4MX-XT40LE1-SDD4X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.10
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/21/2017
[UPDATE] 4/20/2017
[LUMCAT] SS4MRx-XT40L-E1-SDD4x-xxK-WD-MW-GL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, Clear glass lens
[OTHER] 35.8 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: SS4MO-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2718
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.64
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	39280	44769	40206
55	27826	32047	30010
65	9066	11417	10373
75	4462	4072	2387
85	5102	6556	5810

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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	5728.171	5728.171	5728.171	5728.171	5728.171
5	5444.460	5497.104	5467.662	5483.339	5441.249
10	4569.005	4690.136	4683.794	4655.156	4533.302
15	3437.775	3609.265	3593.673	3559.748	3393.414
20	2440.218	2563.084	2512.637	2517.578	2397.846
25	1586.925	1740.989	1685.316	1696.806	1553.937
30	783.971	993.025	1137.653	944.913	758.220
35	256.895	371.363	663.947	336.408	240.013
40	112.996	130.638	272.208	116.927	112.308
45	101.256	107.837	115.407	104.931	103.643
50	84.284	87.584	83.863	87.996	86.476
55	58.184	66.650	67.010	66.017	62.751
60	28.665	37.148	42.624	36.895	33.526
65	13.968	15.477	17.590	17.561	15.981
70	12.368	11.058	5.988	11.094	12.210
75	4.210	5.153	3.842	4.368	2.252
80	1.689	1.309	2.225	1.701	2.057
85	1.621	1.626	2.083	1.224	1.846
90	1.554	1.537	1.554	0.742	1.200

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Zone	Lumens	%Lamp	%Fixt
0-20	1480.06	N.A.	54.40
0-30	2251.57	N.A.	82.80
0-40	2546.78	N.A.	93.70
0-60	2691.62	N.A.	99.00
0-80	2716.61	N.A.	99.90
0-90	2718.36	N.A.	100.00
10-90	2222.51	N.A.	81.80
20-40	1066.72	N.A.	39.20
20-50	1155.1	N.A.	42.50
40-70	164.52	N.A.	6.10
60-80	24.99	N.A.	0.90
70-80	5.31	N.A.	0.20
80-90	1.75	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	2718.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	495.85
10-20	984.21
20-30	771.50
30-40	295.22
40-50	88.38
50-60	56.46
60-70	19.68
70-80	5.31
80-90	1.75
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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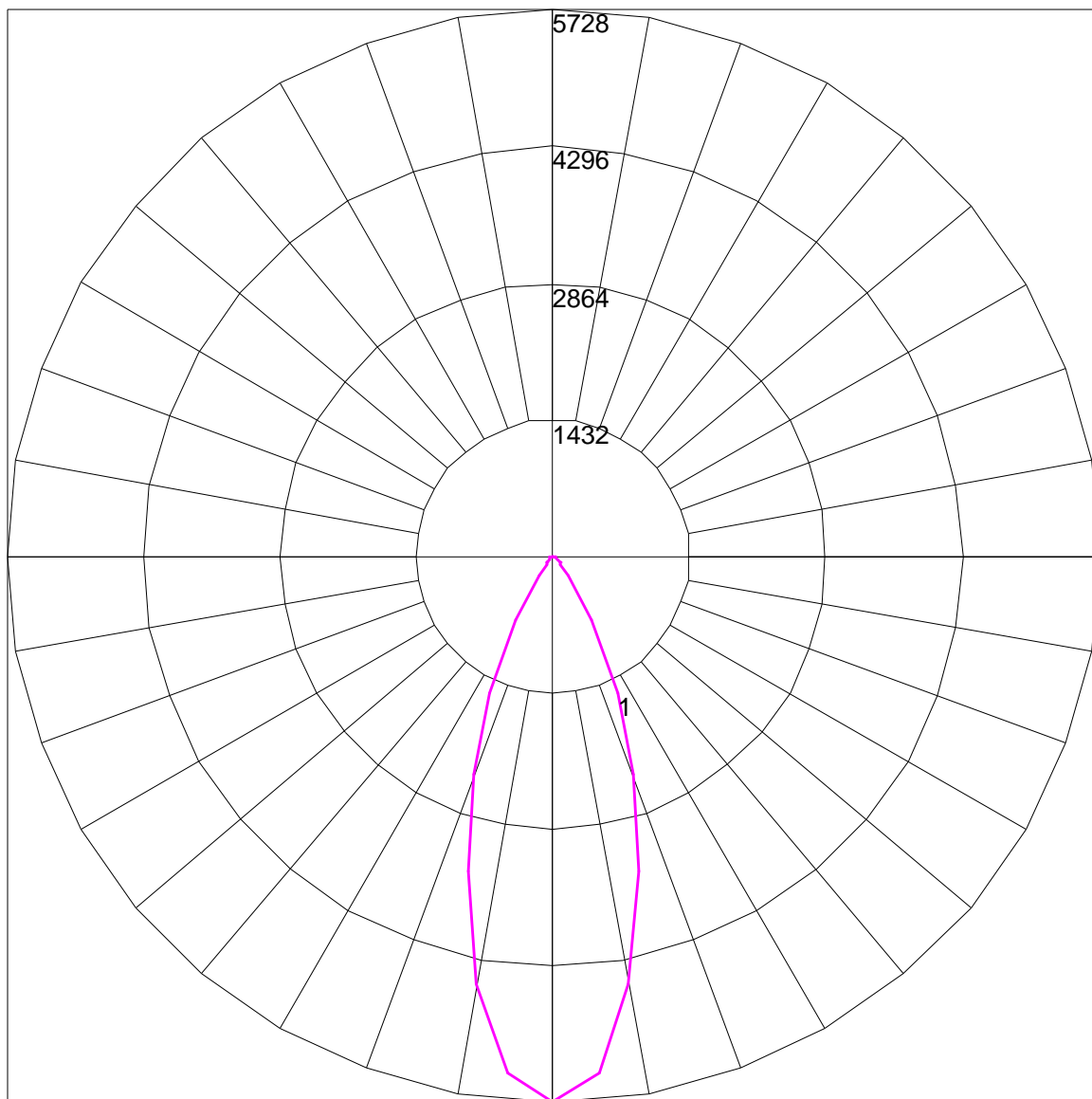
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	105	101	98	107	103	99	97	100	97	95	97	94	93	94	92	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	80	74	70	87	79	74	70	78	73	70	77	72	70	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59

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POLAR GRAPH



Maximum Candela = 5728.171 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)