

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT10LE1-SDD4X-XXK-MDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.6_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-NL
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 27.5 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	710
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT10LE1-SDD4X-XXK-MDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4960	8252	5087
55	8474	8801	8737
65	3193	3659	3255
75	1031	541	1154
85	1583	1703	1542

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT10LE1-SDD4X-XXK-MDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2048.486	2048.486	2048.486	2048.486	2048.486
5	1869.687	1883.888	1862.619	1879.326	1860.074
10	1390.728	1411.084	1381.461	1402.624	1379.814
15	899.016	915.157	889.667	903.469	886.139
20	561.634	575.336	559.617	563.370	548.427
25	363.272	395.103	377.347	381.685	349.365
30	191.876	248.243	280.412	232.876	181.879
35	62.038	98.630	175.356	88.864	59.658
40	16.725	21.771	65.052	21.366	16.879
45	12.787	14.472	21.271	15.127	13.114
50	15.670	17.065	19.000	16.537	16.013
55	17.719	18.869	18.403	18.581	18.270
60	12.413	14.788	13.732	13.442	12.654
65	4.920	6.931	5.638	6.370	5.015
70	2.254	2.850	1.335	2.380	3.089
75	0.973	1.999	0.510	1.682	1.089
80	0.502	0.735	0.610	0.561	0.615
85	0.503	0.545	0.541	0.575	0.490
90	0.286	0.259	0.196	0.370	0.258

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Zone	Lumens	%Lamp	%Fixt
0-20	420.55	N.A.	59.20
0-30	597.03	N.A.	84.10
0-40	670.43	N.A.	94.40
0-60	701.00	N.A.	98.80
0-80	709.33	N.A.	99.90
0-90	709.86	N.A.	100.00
10-90	546.09	N.A.	76.90
20-40	249.88	N.A.	35.20
20-50	265.30	N.A.	37.40
40-70	37.44	N.A.	5.30
60-80	8.32	N.A.	1.20
70-80	1.46	N.A.	0.20
80-90	0.54	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	709.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	163.78
10-20	256.77
20-30	176.48
30-40	73.40
40-50	15.42
50-60	15.15
60-70	6.86
70-80	1.46
80-90	0.54
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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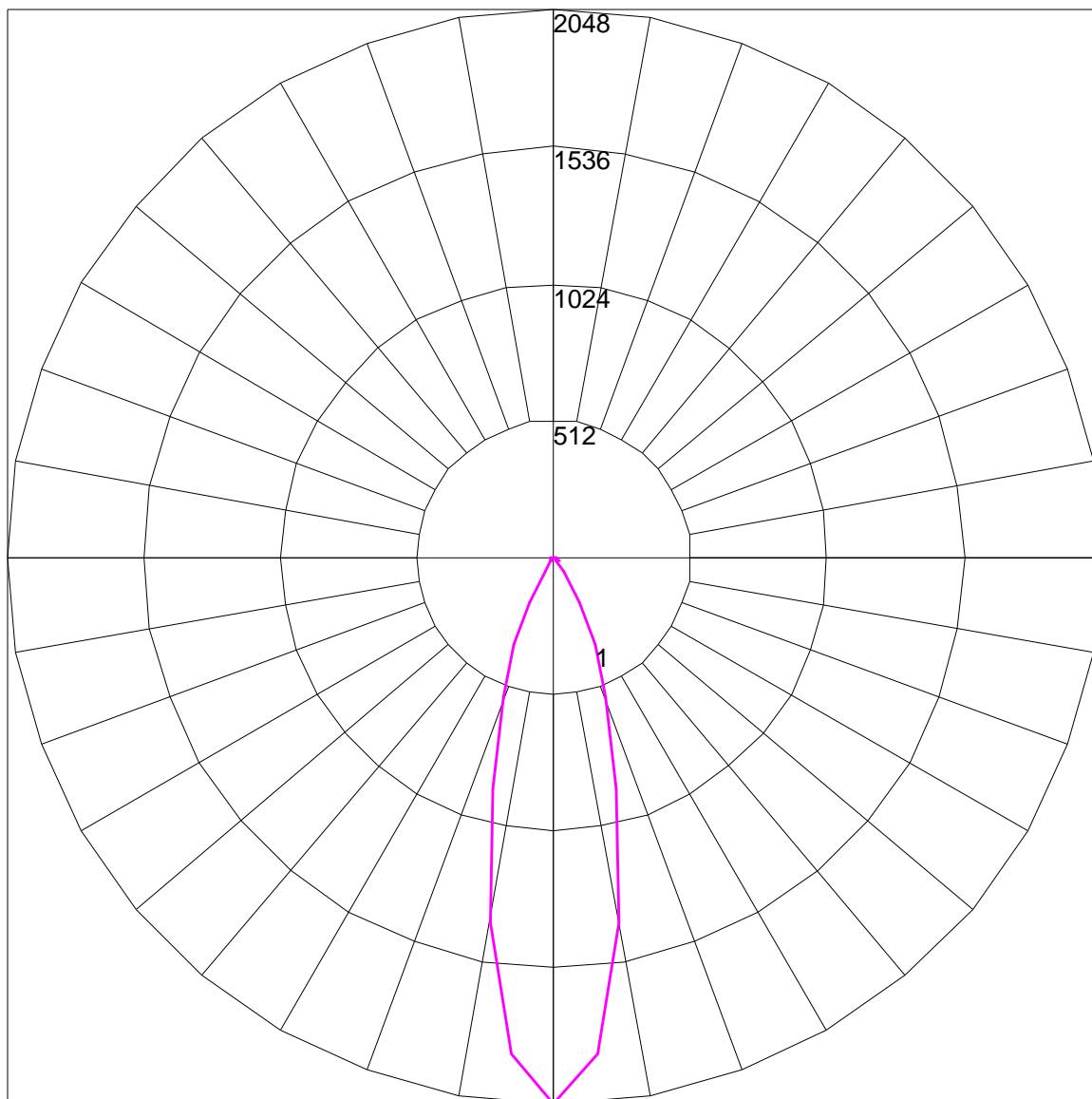
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	81	95	88	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	81	76	73	88	81	76	72	80	75	72	78	75	72	77	74	71	70
8	86	78	73	69	85	77	73	69	76	72	69	75	71	69	74	71	68	67
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

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POLAR GRAPH



Maximum Candela = 2048.486 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)