

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_4 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.4_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT10L-E1-SDD4x-xxK-ND-MW-GL
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, Clear glass lens
 [OTHER] 18.9 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	664
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.36
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_4 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4233	7144	4741
55	4307	8273	4878
65	2975	3555	2724
75	646	871	785
85	1508	1388	1142

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_4 ~ SS4MX-XT10LE1-SDD4X-XXK-NDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3291.884	3291.884	3291.884	3291.884	3291.884
5	2726.388	2778.004	2657.731	2804.861	2763.647
10	1488.334	1519.315	1459.383	1516.048	1489.383
15	692.085	715.133	694.827	710.533	694.182
20	398.896	398.953	383.116	401.261	396.744
25	269.169	290.058	285.327	282.883	261.630
30	137.044	187.612	243.402	171.415	131.200
35	39.140	77.573	143.916	66.720	40.601
40	16.917	21.742	46.512	19.976	17.411
45	10.912	15.381	18.415	13.935	12.221
50	7.654	12.524	16.666	11.524	8.241
55	9.005	12.111	17.300	12.964	10.200
60	10.883	11.798	15.544	12.356	10.444
65	4.583	5.730	5.477	5.841	4.197
70	1.467	2.199	1.235	2.024	1.226
75	0.610	0.933	0.822	0.903	0.741
80	0.310	0.531	0.393	0.451	0.232
85	0.479	0.415	0.441	0.405	0.363
90	0.389	0.112	0.536	0.136	0.363

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Zone	Lumens	%Lamp	%Fixt
0-20	444.96	N.A.	67.00
0-30	574.73	N.A.	86.60
0-40	632.00	N.A.	95.20
0-60	656.47	N.A.	98.90
0-80	663.61	N.A.	99.90
0-90	664.03	N.A.	100.00
10-90	440.09	N.A.	66.30
20-40	187.05	N.A.	28.20
20-50	200.13	N.A.	30.10
40-70	30.61	N.A.	4.60
60-80	7.15	N.A.	1.10
70-80	1.00	N.A.	0.20
80-90	0.42	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	664.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	223.95
10-20	221.01
20-30	129.77
30-40	57.27
40-50	13.08
50-60	11.38
60-70	6.15
70-80	1.00
80-90	0.42
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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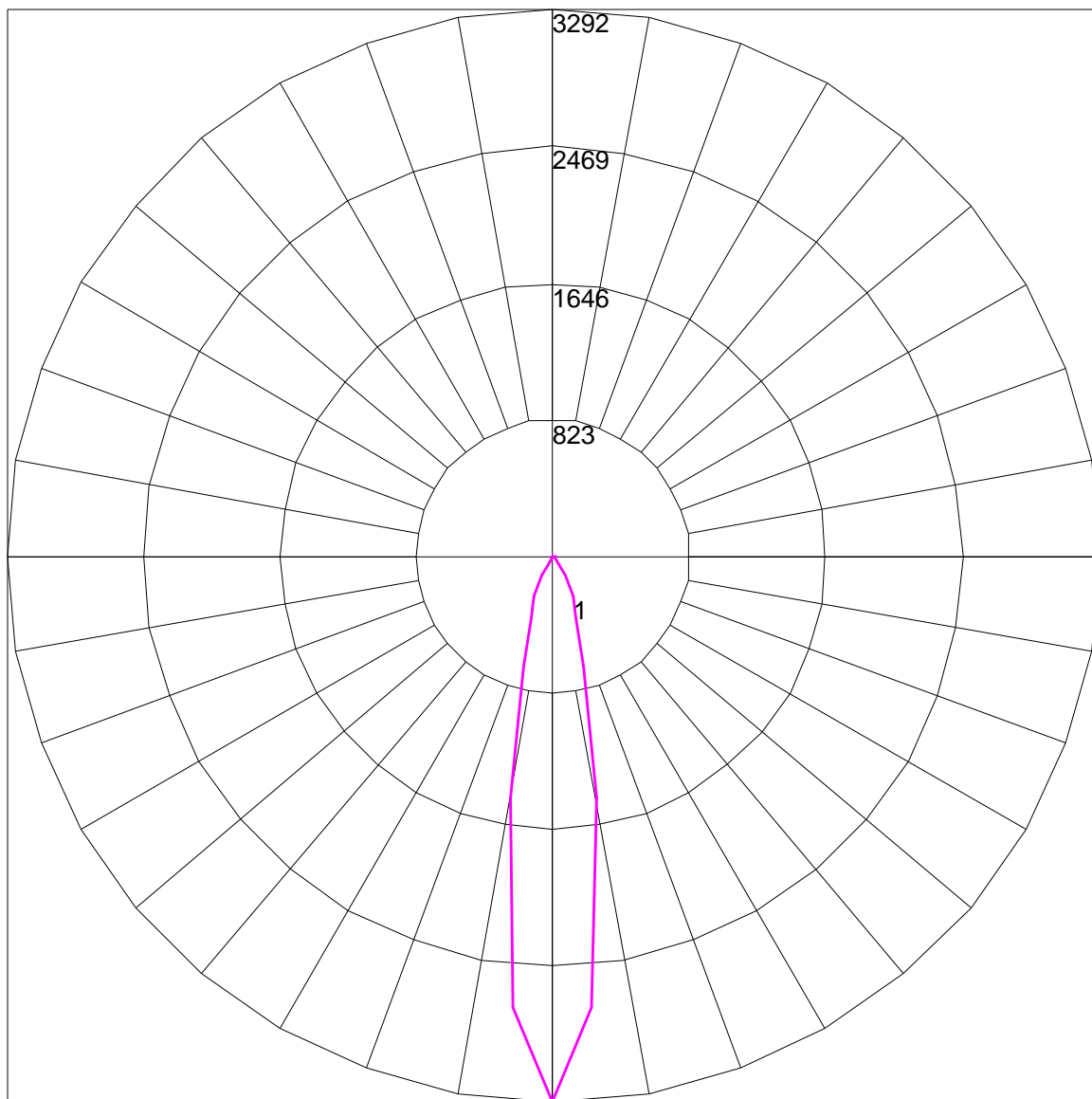
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	99	92	87	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77
7	92	85	80	77	91	84	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

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POLAR GRAPH



Maximum Candela = 3291.884 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)