

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_14 ~ SS4MX-XT10LE1-SDD4X-XXK-XWMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.14_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/21/2017
 [LUMCAT] SS4MRx-XT10L-E1-SDD4x-xxK-XW-MW-SO
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 53.3 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	684
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.86
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_14 ~ SS4MX-XT10LE1-SDD4X-XXK-XWMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17317	22223	16704
55	6505	8387	6338
65	3536	3798	3630
75	796	985	828
85	1240	1020	825

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_14 ~ SS4MX-XT10LE1-SDD4X-XXK-XWMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	816.738	816.738	816.738	816.738	816.738
5	810.715	811.572	808.491	808.835	804.790
10	776.028	779.163	775.324	773.585	767.135
15	709.482	718.760	716.400	713.661	701.644
20	606.529	624.864	630.538	619.802	599.791
25	461.242	492.844	511.251	488.466	456.727
30	299.798	335.629	362.356	327.864	292.741
35	166.234	196.256	217.568	183.965	158.252
40	85.311	101.976	114.331	94.246	81.511
45	44.641	51.222	57.287	49.592	43.059
50	23.276	26.554	30.350	26.499	22.650
55	13.603	15.228	17.537	15.188	13.252
60	8.321	9.468	10.447	9.513	8.628
65	5.448	5.651	5.851	5.829	5.592
70	2.575	3.069	2.833	3.003	2.841
75	0.751	0.974	0.929	1.005	0.781
80	0.500	0.371	0.498	0.507	0.493
85	0.394	0.388	0.324	0.539	0.262
90	0.277	0.374	0.354	0.283	0.482

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Zone	Lumens	%Lamp	%Fixt
0-20	274.28	N.A.	40.10
0-30	494.00	N.A.	72.20
0-40	618.79	N.A.	90.40
0-60	676.80	N.A.	98.90
0-80	684.05	N.A.	99.90
0-90	684.48	N.A.	100.00
10-90	608.38	N.A.	88.90
20-40	344.51	N.A.	50.30
20-50	387.67	N.A.	56.60
40-70	63.89	N.A.	9.30
60-80	7.24	N.A.	1.10
70-80	1.37	N.A.	0.20
80-90	0.44	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	684.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.10
10-20	198.17
20-30	219.73
30-40	124.79
40-50	43.16
50-60	14.86
60-70	5.87
70-80	1.37
80-90	0.44
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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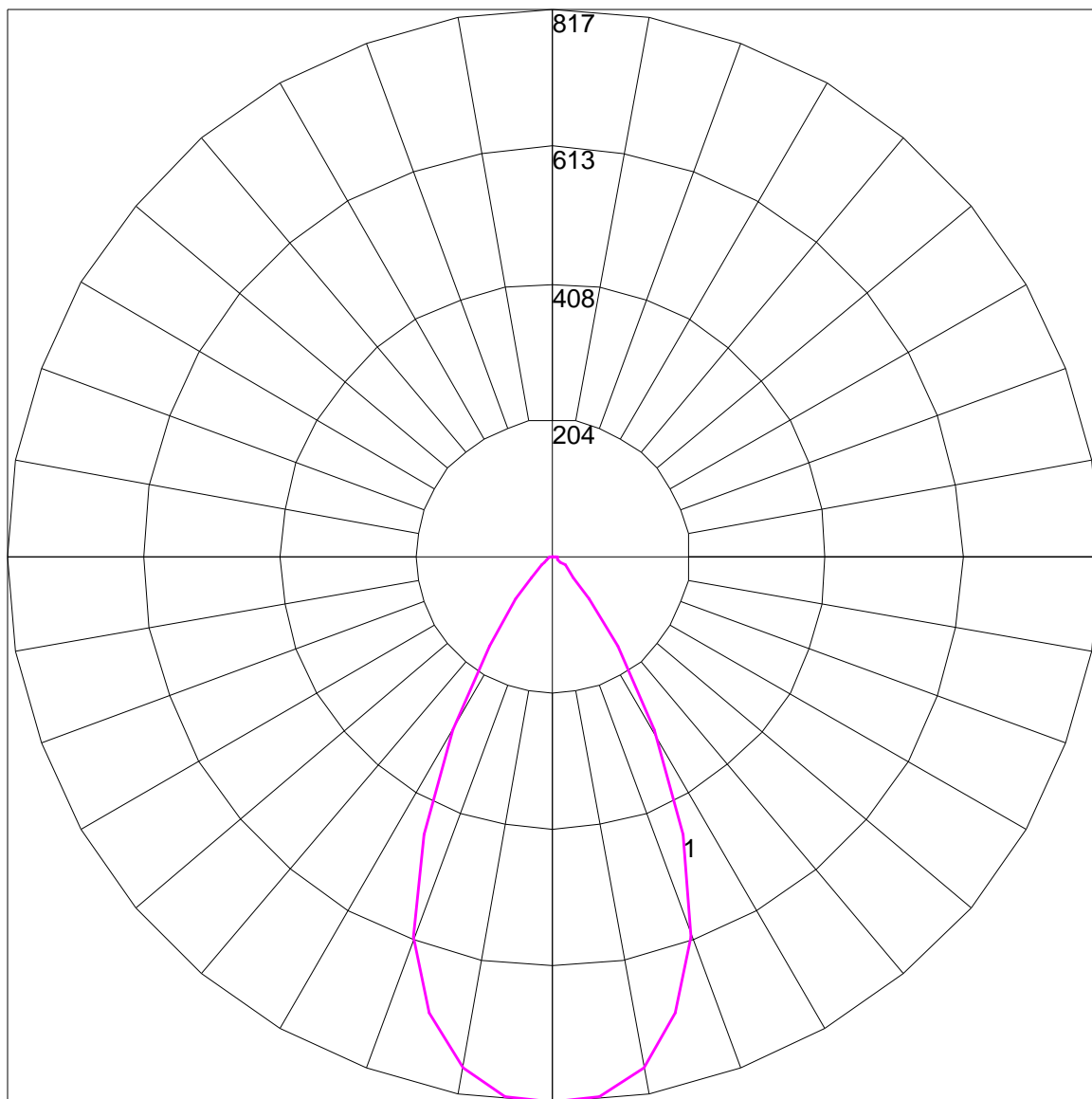
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	98	94	98	95	92	95	93	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	89	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65
7	83	74	68	64	82	74	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51

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POLAR GRAPH



Maximum Candela = 816.738 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)