

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_2 ~ SS4MX-XT10LE1-SDD4X-XXK-XNMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545.2_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT10L-E1-SDD4x-xxK-XN-MW-SO
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 17.9 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 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	740
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.32
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_2 ~ SS4MX-XT10LE1-SDD4X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6676	12252	6459
55	4310	6400	3993
65	2117	2631	2130
75	927	1150	904
85	1910	2143	1964

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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	4580.807	4580.807	4580.807	4580.807	4580.807
5	3826.550	3875.157	3633.041	3586.075	3421.736
10	1888.503	1992.903	1786.885	1710.205	1503.291
15	682.130	777.172	723.094	671.083	571.323
20	331.128	375.621	376.245	352.932	319.093
25	220.471	254.238	277.506	245.528	224.296
30	133.088	170.261	203.816	154.686	121.643
35	64.185	93.413	123.798	71.009	53.362
40	29.432	44.567	57.515	32.949	27.740
45	17.209	23.627	31.584	20.685	16.651
50	12.201	14.167	21.471	14.742	11.288
55	9.012	10.055	13.382	10.374	8.350
60	5.684	6.926	7.847	6.647	5.666
65	3.261	4.910	4.053	4.158	3.281
70	2.190	2.087	2.323	2.904	1.893
75	0.875	1.189	1.085	1.200	0.853
80	0.481	0.648	0.684	0.743	0.709
85	0.607	0.637	0.681	0.354	0.624
90	0.564	0.190	0.722	0.373	0.512

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Zone	Lumens	%Lamp	%Fixt
0-20	529.82	N.A.	71.60
0-30	645.91	N.A.	87.30
0-40	704.14	N.A.	95.20
0-60	733.54	N.A.	99.20
0-80	739.18	N.A.	99.90
0-90	739.80	N.A.	100.00
10-90	445.15	N.A.	60.20
20-40	174.32	N.A.	23.60
20-50	194.01	N.A.	26.20
40-70	33.68	N.A.	4.60
60-80	5.64	N.A.	0.80
70-80	1.36	N.A.	0.20
80-90	0.62	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	739.80	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	294.65
10-20	235.17
20-30	116.09
30-40	58.23
40-50	19.70
50-60	9.71
60-70	4.27
70-80	1.36
80-90	0.62
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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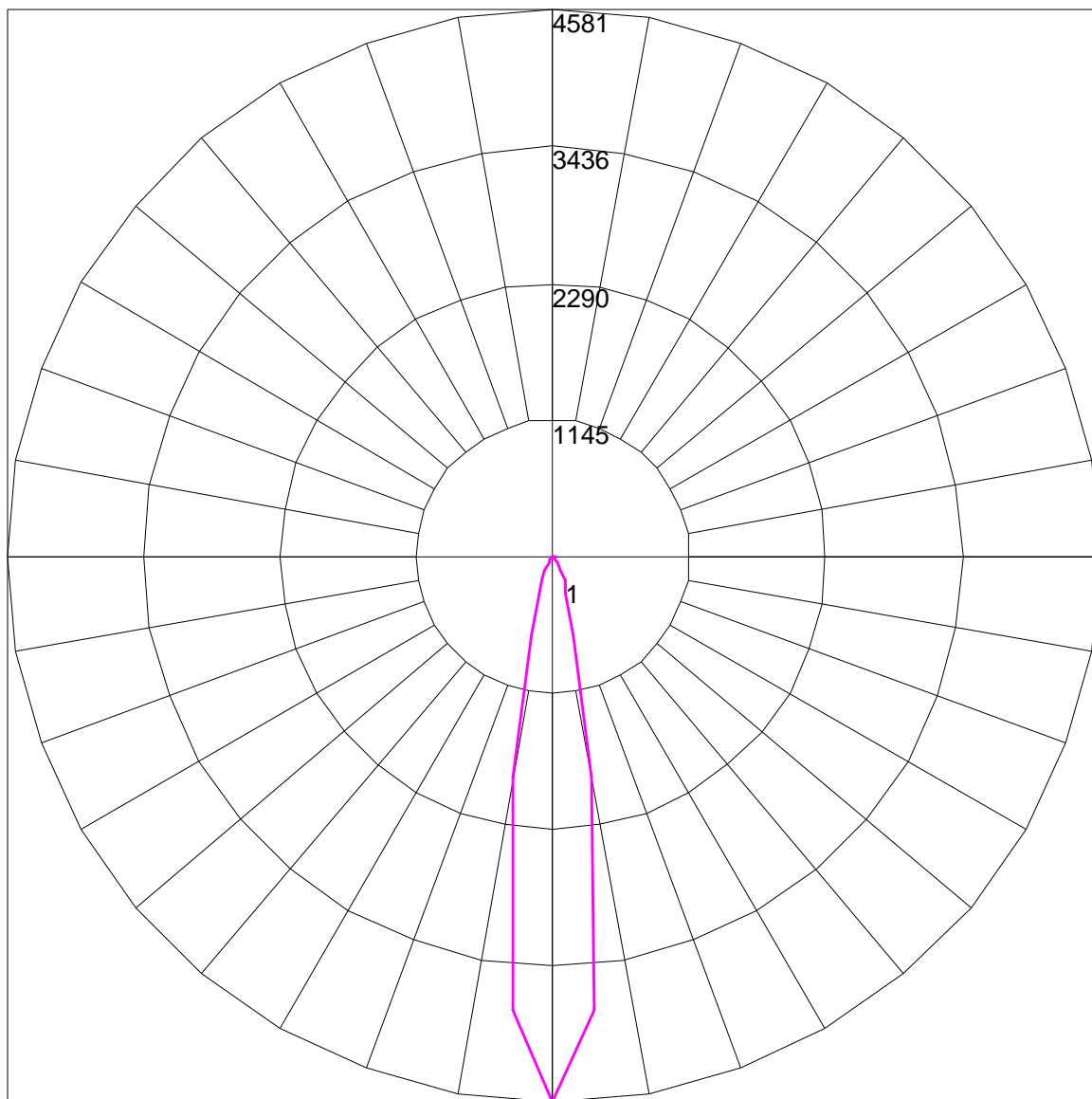
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	88	87	85
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	84	82
6	97	90	86	83	96	89	85	82	88	85	82	87	84	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	76	74	79	76	74	73
10	86	79	75	73	86	79	75	72	78	75	72	78	74	72	77	74	72	71

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POLAR GRAPH



Maximum Candela = 4580.807 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)