

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_12 ~ SS4MX-XT20LE1-SDD4X-XXK-XWMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.12_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/21/2017
 [LUMCAT] SS4MRx-XT20L-E1-SDD4x-xxK-XW-MW-NL
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Xtra Wide Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 54.8 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 New Constuction 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	1594
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.90
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_12 ~ SS4MX-XT20LE1-SDD4X-XXK-XWMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20430	23926	21368
55	5422	8363	6149
65	4621	2407	4915
75	2794	1995	1968
85	3412	2493	1785

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_12 ~ SS4MX-XT20LE1-SDD4X-XXK-XWMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1956.889	1956.889	1956.889	1956.889	1956.889
5	1938.764	1937.838	1933.665	1933.478	1922.388
10	1849.290	1857.151	1845.545	1842.503	1828.939
15	1706.145	1727.031	1719.931	1718.917	1682.950
20	1480.222	1526.735	1545.174	1510.227	1469.596
25	1180.074	1244.602	1300.810	1245.182	1168.404
30	756.454	868.619	975.143	855.877	754.717
35	343.334	443.973	574.586	420.045	354.300
40	128.741	160.069	222.910	151.578	132.834
45	52.666	59.052	61.677	59.037	55.082
50	23.316	27.719	29.968	27.496	24.287
55	11.337	15.184	17.487	13.926	12.857
60	7.467	9.162	8.422	9.120	8.724
65	7.120	6.616	3.709	6.810	7.573
70	6.429	6.788	2.766	7.525	6.969
75	2.636	2.421	1.882	3.791	1.857
80	0.924	1.325	0.690	0.800	0.909
85	1.084	1.099	0.792	0.948	0.567
90	0.894	0.389	0.904	0.668	0.991

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Zone	Lumens	%Lamp	%Fixt
0-20	659.13	N.A.	41.30
0-30	1214.52	N.A.	76.20
0-40	1509.83	N.A.	94.70
0-60	1583.27	N.A.	99.30
0-80	1593.09	N.A.	99.90
0-90	1594.05	N.A.	100.00
10-90	1412.31	N.A.	88.60
20-40	850.70	N.A.	53.40
20-50	909.62	N.A.	57.10
40-70	80.10	N.A.	5.00
60-80	9.83	N.A.	0.60
70-80	3.17	N.A.	0.20
80-90	0.95	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	1594.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	181.73
10-20	477.39
20-30	555.39
30-40	295.31
40-50	58.92
50-60	14.52
60-70	6.66
70-80	3.17
80-90	0.95
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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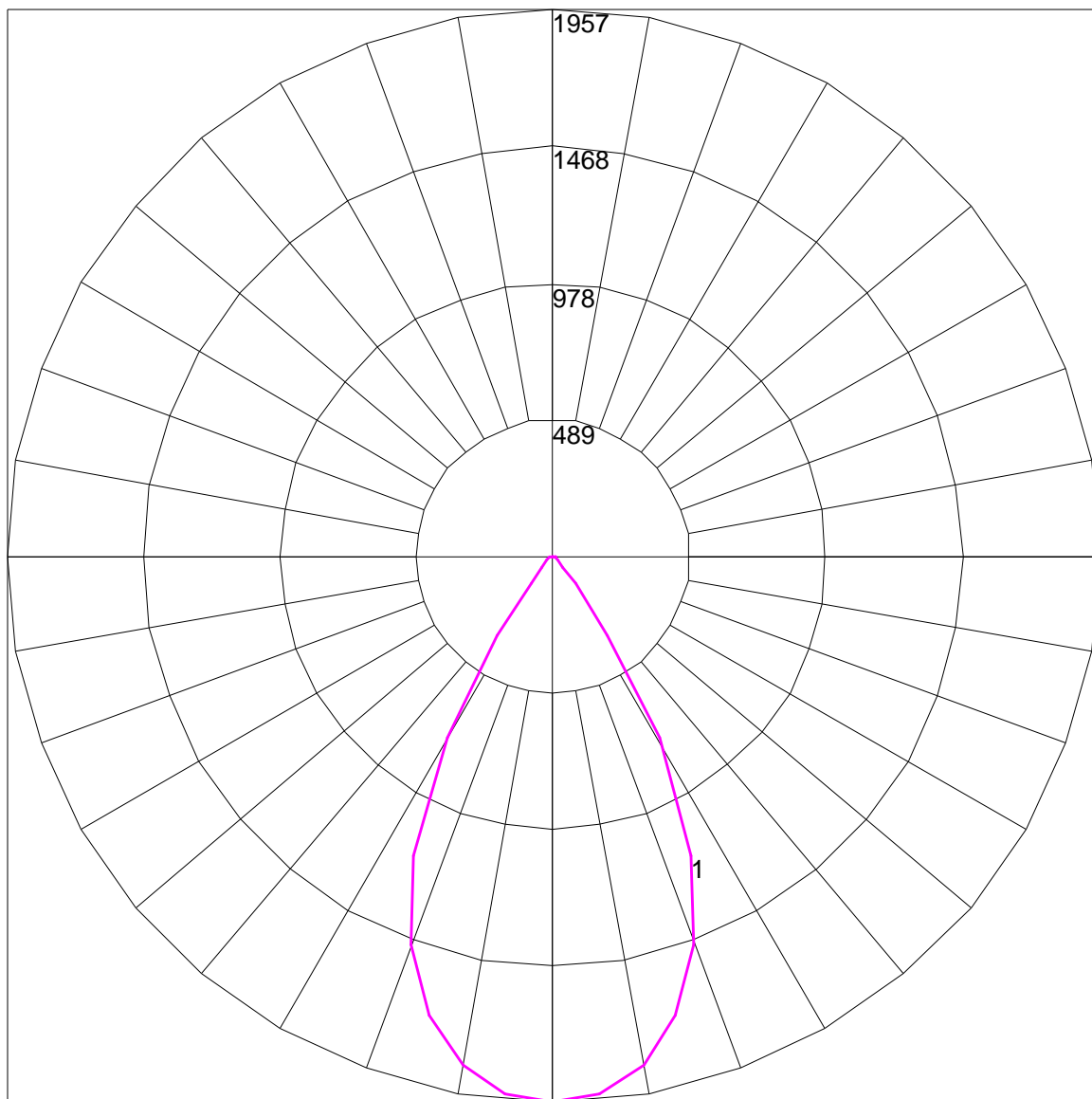
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	77
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	71	68	65	63
8	81	71	66	62	80	71	65	62	70	65	61	69	64	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 1956.889 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)