

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_4 ~ SS4MX-XT20LE1-SDD4X-XXK-NDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.4_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT20L-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 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	1377
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	23.7
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-XT20LE1-SDD4X-XXK-NDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8775	14809	9828
55	8927	17151	10112
65	6167	7369	5647
75	1341	1805	1628
85	3128	2873	2367

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_4 ~ SS4MX-XT20LE1-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	6824.157	6824.157	6824.157	6824.157	6824.157
5	5651.869	5758.871	5509.542	5814.546	5729.109
10	3085.354	3149.577	3025.337	3142.805	3087.527
15	1434.710	1482.489	1440.394	1472.953	1439.056
20	826.920	827.039	794.209	831.824	822.460
25	557.993	601.298	591.490	586.424	542.366
30	284.095	388.924	504.578	355.347	271.980
35	81.138	160.811	298.342	138.313	84.166
40	35.068	45.072	96.421	41.410	36.094
45	22.620	31.885	38.174	28.887	25.334
50	15.868	25.963	34.549	23.890	17.085
55	18.667	25.107	35.863	26.875	21.144
60	22.561	24.457	32.223	25.613	21.651
65	9.502	11.879	11.354	12.109	8.701
70	3.041	4.558	2.560	4.195	2.542
75	1.265	1.934	1.703	1.872	1.536
80	0.643	1.100	0.815	0.935	0.480
85	0.994	0.861	0.913	0.839	0.752
90	0.806	0.231	1.112	0.283	0.753

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Zone	Lumens	%Lamp	%Fixt
0-20	922.40	N.A.	67.00
0-30	1191.43	N.A.	86.60
0-40	1310.16	N.A.	95.20
0-60	1360.87	N.A.	98.90
0-80	1375.69	N.A.	99.90
0-90	1376.56	N.A.	100.00
10-90	912.31	N.A.	66.30
20-40	387.76	N.A.	28.20
20-50	414.87	N.A.	30.10
40-70	63.46	N.A.	4.60
60-80	14.82	N.A.	1.10
70-80	2.06	N.A.	0.10
80-90	0.87	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	1376.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	464.25
10-20	458.16
20-30	269.03
30-40	118.73
40-50	27.11
50-60	23.60
60-70	12.75
70-80	2.06
80-90	0.87
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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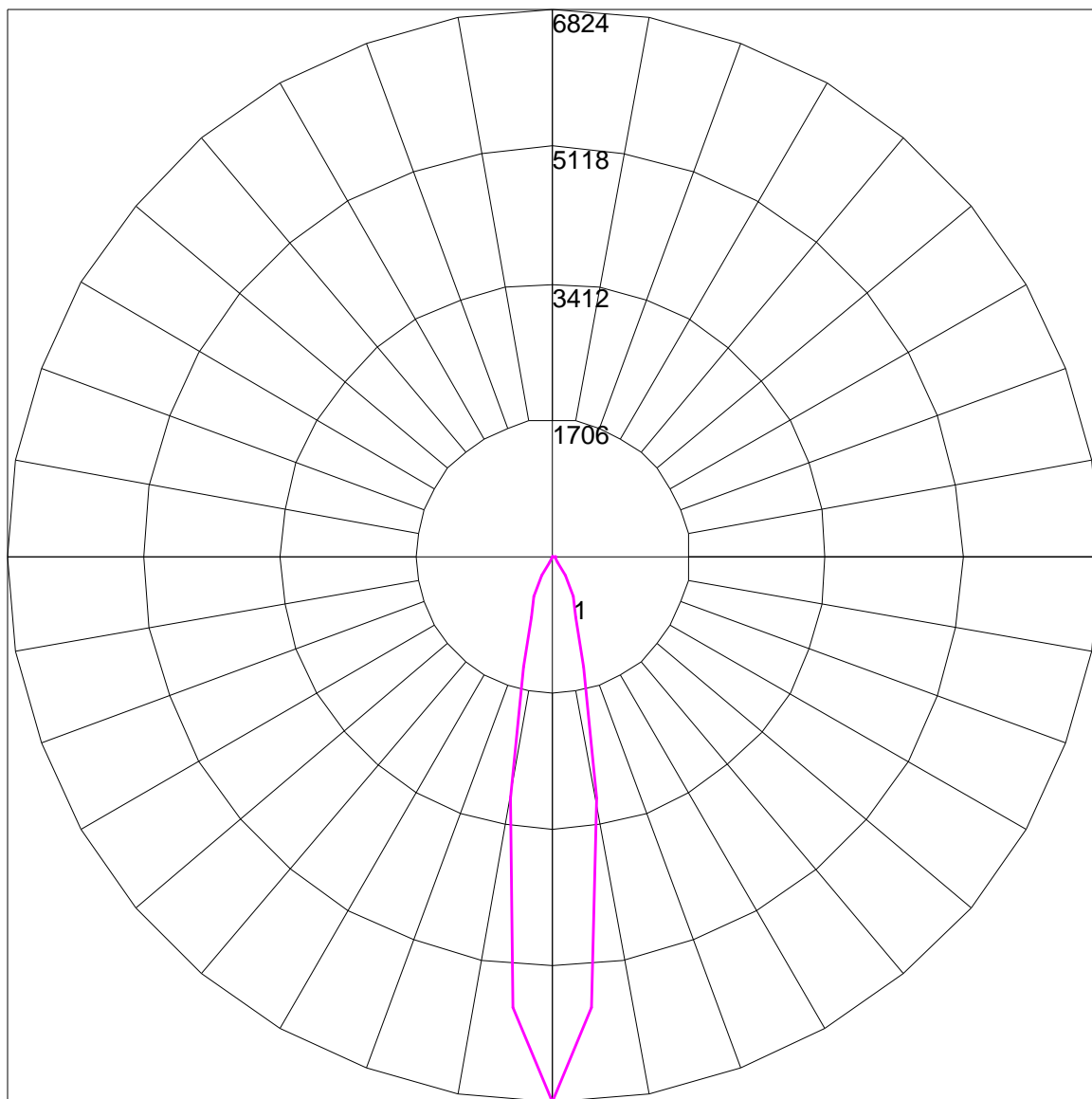
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	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	99	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	81	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	76	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 = 6824.157 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)