

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT20LE1-SDD4X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.6_M-20L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/21/2017
[UPDATE] 4/20/2017
[LUMCAT] SS4MRx-XT20L-E1-SDD4x-xxK-MD-MW-NL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile , Medium Beam
[OTHER] Matte White Trim, No lens
[OTHER] 27.5 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	1472
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10283	17106	10546
55	17566	18244	18113
65	6620	7586	6748
75	2137	1121	2393
85	3286	3531	3195

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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	4246.562	4246.562	4246.562	4246.562	4246.562
5	3875.908	3905.346	3861.256	3895.890	3855.979
10	2883.013	2925.212	2863.802	2907.674	2860.388
15	1863.681	1897.143	1844.302	1872.914	1836.987
20	1164.281	1192.686	1160.101	1167.879	1136.903
25	753.072	819.058	782.251	791.243	724.243
30	397.763	514.614	581.302	482.758	377.041
35	128.607	204.462	363.517	184.216	123.672
40	34.671	45.132	134.854	44.293	34.990
45	26.507	30.001	44.095	31.358	27.185
50	32.483	35.375	39.387	34.282	33.194
55	36.731	39.116	38.149	38.519	37.874
60	25.732	30.656	28.468	27.865	26.232
65	10.199	14.368	11.687	13.205	10.396
70	4.672	5.908	2.768	4.933	6.404
75	2.016	4.145	1.058	3.486	2.258
80	1.042	1.524	1.264	1.163	1.274
85	1.044	1.130	1.122	1.192	1.015
90	0.592	0.536	0.406	0.768	0.535

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Zone	Lumens	%Lamp	%Fixt
0-20	871.81	N.A.	59.20
0-30	1237.66	N.A.	84.10
0-40	1389.82	N.A.	94.40
0-60	1453.2	N.A.	98.80
0-80	1470.45	N.A.	99.90
0-90	1471.56	N.A.	100.00
10-90	1132.05	N.A.	76.90
20-40	518.01	N.A.	35.20
20-50	549.98	N.A.	37.40
40-70	77.60	N.A.	5.30
60-80	17.25	N.A.	1.20
70-80	3.02	N.A.	0.20
80-90	1.11	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	1471.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	339.51
10-20	532.30
20-30	365.85
30-40	152.16
40-50	31.97
50-60	31.41
60-70	14.23
70-80	3.02
80-90	1.11
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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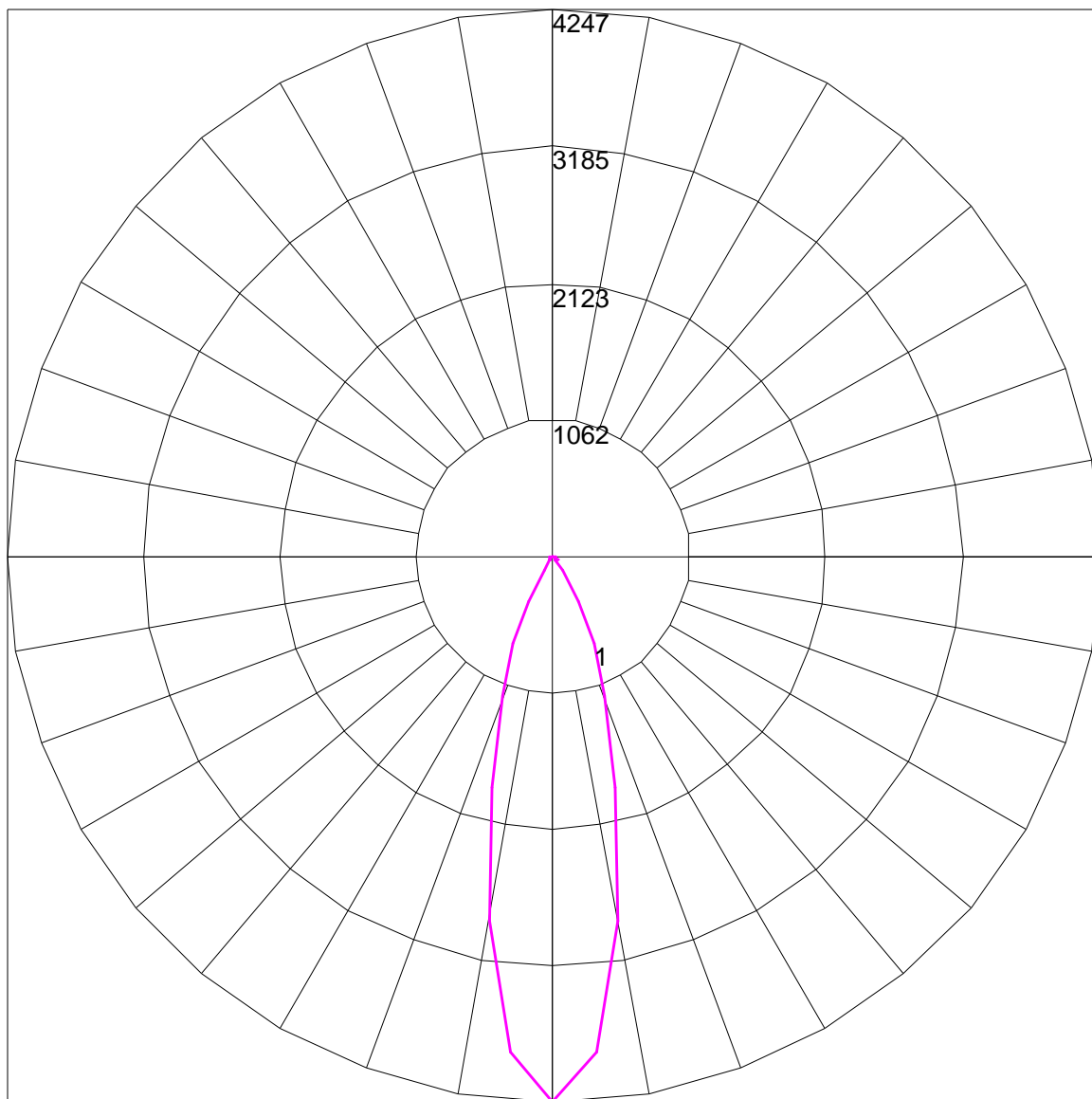
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	81	95	88	84	80	87	83	80	85	82	79	84	81	78	77
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	80	77	75	73
7	89	81	76	73	88	81	76	72	79	75	72	78	75	72	77	74	71	70
8	86	78	73	69	85	77	73	69	76	72	69	75	71	69	74	71	68	67
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62

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POLAR GRAPH



Maximum Candela = 4246.562 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)