

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_11 ~ SS4MX-XT20LE1-SDD4X-XXK-WDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00547.11_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/21/2017

[UPDATE] 4/20/2017

[LUMCAT] SS4MRx-XT20L-E1-SDD4x-xxK-WD-MW-SO

[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Wide Beam

[OTHER] Matte White Trim, Solite lens

[OTHER] 37.2 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	1350
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.66
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_11 ~ SS4MX-XT20LE1-SDD4X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	22661	32376	23117
55	12935	16876	13511
65	8124	7625	8028
75	1770	1926	1654
85	4239	3805	2209

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_11 ~ SS4MX-XT20LE1-SDD4X-XXK-WDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2669.302	2669.302	2669.302	2669.302	2669.302
5	2549.098	2559.101	2542.900	2548.760	2529.726
10	2181.226	2206.000	2177.088	2185.698	2151.755
15	1689.708	1731.293	1701.391	1703.543	1659.519
20	1198.263	1251.328	1231.207	1225.434	1174.244
25	764.691	827.551	836.698	804.227	744.366
30	425.005	486.802	526.446	464.278	401.693
35	207.198	253.606	297.328	232.520	188.572
40	101.187	126.781	152.815	115.435	95.567
45	58.415	71.689	83.460	68.289	59.592
50	38.500	45.619	53.957	44.448	40.936
55	27.047	30.846	35.289	31.066	28.252
60	18.547	20.177	21.332	21.031	19.513
65	12.516	12.491	11.747	13.261	12.369
70	6.574	6.988	5.547	7.991	6.860
75	1.670	2.334	1.817	2.375	1.561
80	1.060	1.087	1.148	0.884	1.049
85	1.347	0.930	1.209	0.924	0.702
90	0.499	0.429	0.798	0.497	0.409

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Zone	Lumens	%Lamp	%Fixt
0-20	703.33	N.A.	52.10
0-30	1077.96	N.A.	79.80
0-40	1245.21	N.A.	92.20
0-60	1333.38	N.A.	98.70
0-80	1349.39	N.A.	99.90
0-90	1350.38	N.A.	100.00
10-90	1118.76	N.A.	82.80
20-40	541.88	N.A.	40.10
20-50	601.34	N.A.	44.50
40-70	101.05	N.A.	7.50
60-80	16.01	N.A.	1.20
70-80	3.14	N.A.	0.20
80-90	0.99	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	1350.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	231.62
10-20	471.71
20-30	374.63
30-40	167.25
40-50	59.46
50-60	28.70
60-70	12.88
70-80	3.14
80-90	0.99
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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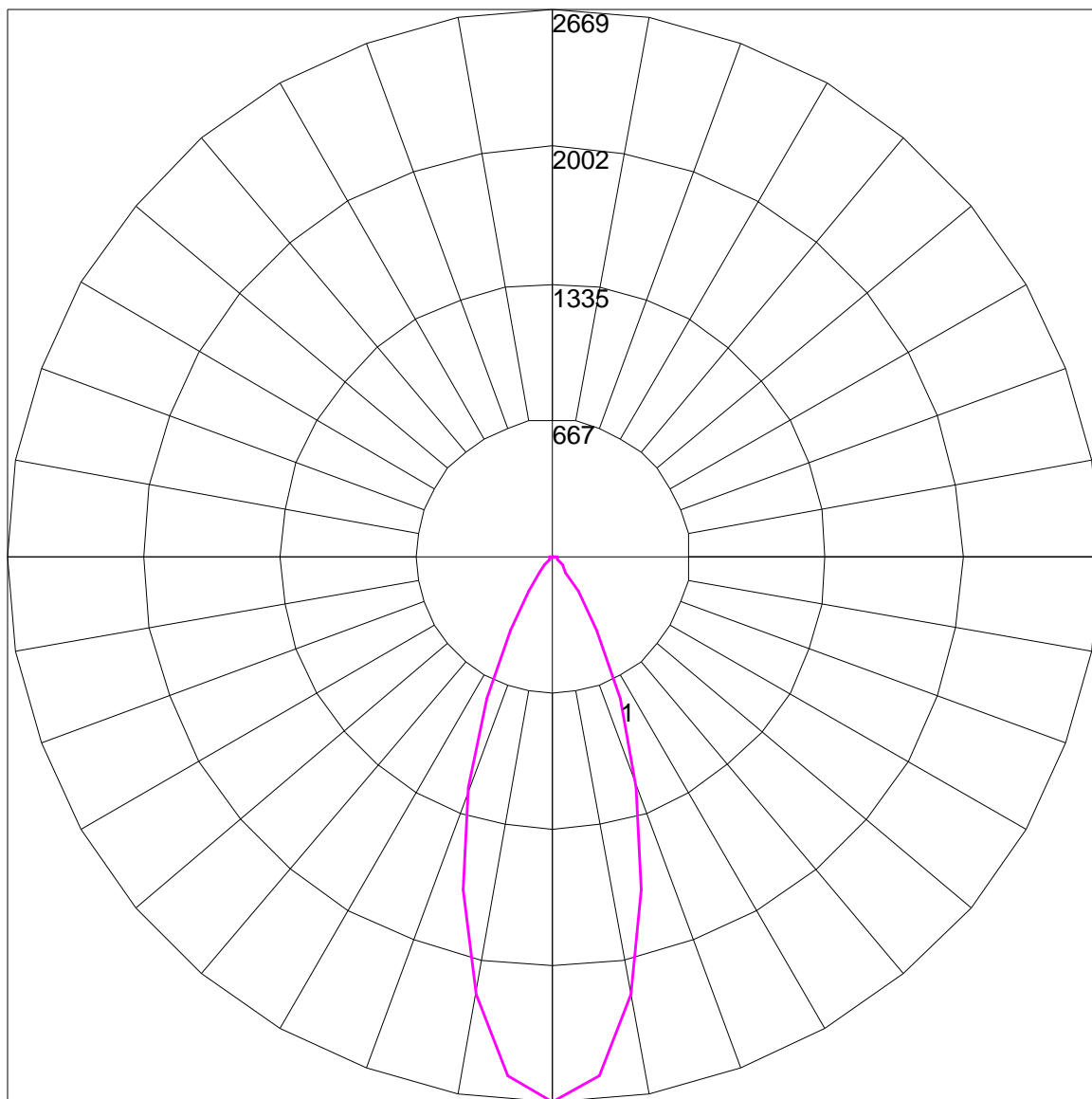
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 2669.302 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)