

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_8 ~ SS4MX-XT20LE1-SDD4X-XXK-MDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.8_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-SO
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 29.7 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	1289
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.50
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.54
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_8 ~ SS4MX-XT20LE1-SDD4X-XXK-MDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20748	31716	20870
55	14190	19786	15047
65	9080	9173	8882
75	2016	2533	1589
85	3050	2518	1910

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_8 ~ SS4MX-XT20LE1-SDD4X-XXK-MDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3245.940	3245.940	3245.940	3245.940	3245.940
5	3014.995	3032.727	2999.042	3028.704	2989.131
10	2339.630	2379.720	2322.930	2358.016	2315.657
15	1603.347	1638.933	1594.279	1611.728	1584.716
20	1031.732	1074.990	1054.170	1049.634	1018.804
25	630.093	694.090	705.556	671.779	622.738
30	345.492	414.343	458.921	394.742	335.460
35	168.988	220.164	267.796	201.636	158.998
40	84.375	112.051	140.351	101.531	80.241
45	53.484	67.596	81.758	63.512	53.799
50	39.617	47.300	57.548	46.101	41.649
55	29.672	33.828	41.372	33.681	31.463
60	22.219	23.396	26.146	24.452	21.834
65	13.990	15.606	14.133	16.189	13.684
70	6.878	8.546	6.360	9.202	7.551
75	1.902	2.908	2.390	2.427	1.499
80	0.898	0.944	0.885	1.225	1.185
85	0.969	0.513	0.800	0.864	0.607
90	0.579	0.386	0.785	0.277	0.460

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_8 ~ SS4MX-XT20LE1-SDD4X-XXK-MDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	720.70	N.A.	55.90
0-30	1037.91	N.A.	80.50
0-40	1182.35	N.A.	91.70
0-60	1269.62	N.A.	98.50
0-80	1288.42	N.A.	99.90
0-90	1289.24	N.A.	100.00
10-90	1022.54	N.A.	79.30
20-40	461.65	N.A.	35.80
20-50	517.32	N.A.	40.10
40-70	102.51	N.A.	8.00
60-80	18.80	N.A.	1.50
70-80	3.57	N.A.	0.30
80-90	0.82	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	1289.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	266.70
10-20	454.00
20-30	317.21
30-40	144.44
40-50	55.67
50-60	31.60
60-70	15.23
70-80	3.57
80-90	0.82
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP_00547_8 ~ SS4MX-XT20LE1-SDD4X-XXK-MDMWSO.IES

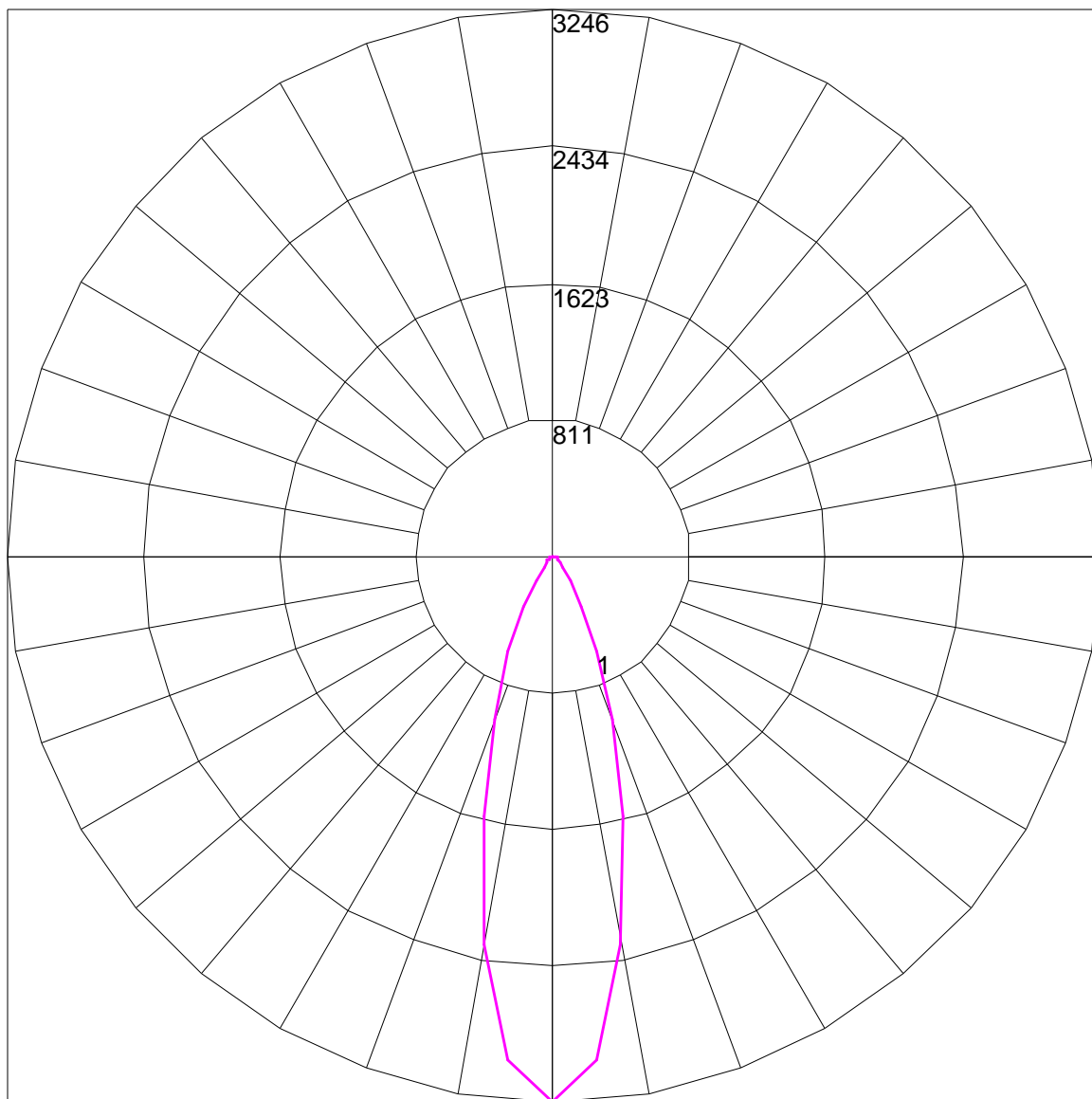
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	79	74	70	86	79	74	70	78	73	70	76	72	69	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
10	78	70	65	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_8 ~ SS4MX-XT20LE1-SDD4X-XXK-MDMWSO.IES

POLAR GRAPH



Maximum Candela = 3245.94 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)