

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_20 ~ SS3MX-XT20LE1-SD3X-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_20
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/16/2017
[UPDATE] 5/9/2017
[LUMCAT] SS3MRx-XT20L-E1-SD3x-MD-MW-GL
[LUMINAIRE] Nominal 3" Square Downlight, Medium Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 42.1 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: SS3MO-XT-series
[OTHER] For New Construction IC Rated Housing: SS3MI-XT-Series
[OTHER] For Remodel/Retrofit Housing: SS3MR-XT-Series
[OTHER] For SD3F or SD3N Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1186
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_20 ~ SS3MX-XT20LE1-SD3X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7170	6689	6412
55	3112	3237	3211
65	1768	1937	1989
75	1293	1383	1322
85	0	0	2264

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_20 ~ SS3MX-XT20LE1-SD3X-XXK-MDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	7859.658	7859.658	7859.658	7859.658	7859.658
5	5764.205	5692.243	5578.461	5443.803	5409.776
10	1680.339	1631.671	1784.496	1981.815	2160.615
15	769.857	762.278	751.403	754.659	772.991
20	579.291	581.911	586.795	586.415	586.928
25	534.993	540.762	537.894	544.289	543.999
30	491.271	495.753	499.719	504.800	509.997
35	288.250	289.507	292.024	295.017	312.914
40	74.357	84.638	83.213	86.531	94.108
45	46.041	48.611	42.951	39.576	41.176
50	31.700	33.892	24.979	22.721	22.275
55	16.207	18.301	16.861	15.676	16.727
60	10.922	10.802	10.954	10.659	12.218
65	6.786	6.078	7.433	7.577	7.633
70	5.492	6.044	5.594	5.886	7.127
75	3.040	2.541	3.250	2.695	3.108
80	1.199	1.635	1.369	1.819	1.681
85	0.000	1.765	0.000	0.000	1.792
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_20 ~ SS3MX-XT20LE1-SD3X-XXK-MDMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	689.93	N.A.	58.20
0-30	939.66	N.A.	79.20
0-40	1119.88	N.A.	94.40
0-60	1173.94	N.A.	99.00
0-80	1185.14	N.A.	99.90
0-90	1185.93	N.A.	100.00
10-90	760.42	N.A.	64.10
20-40	429.95	N.A.	36.30
20-50	468.02	N.A.	39.50
40-70	61.76	N.A.	5.20
60-80	11.20	N.A.	0.90
70-80	3.51	N.A.	0.30
80-90	0.79	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	1185.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	425.51
10-20	264.42
20-30	249.73
30-40	180.22
40-50	38.08
50-60	15.99
60-70	7.69
70-80	3.51
80-90	0.79
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-00545_20 ~ SS3MX-XT20LE1-SD3X-XXK-MDMWGL.IES

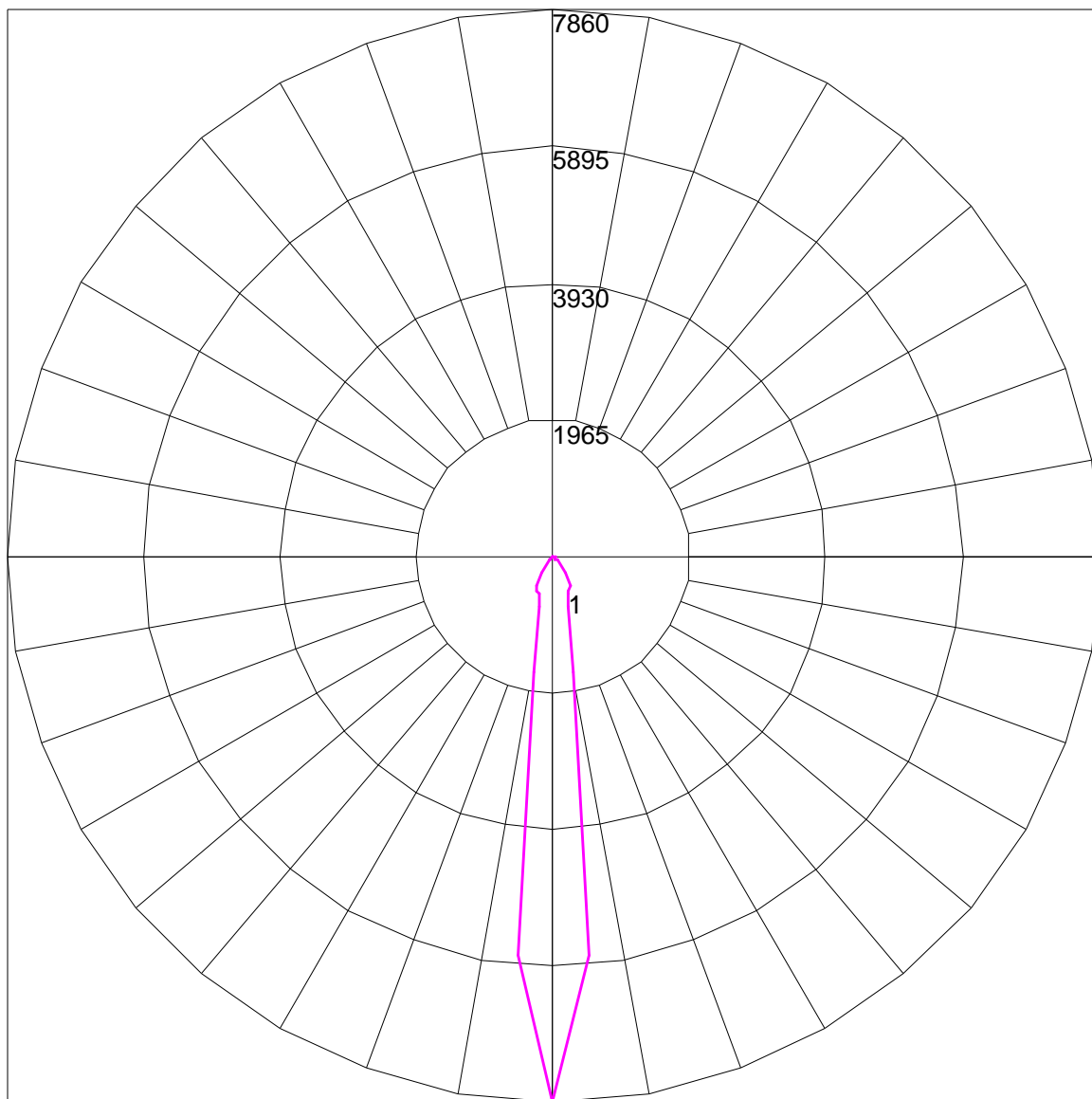
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	79	75	72	78	74	71	78	74	71	77	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_20 ~ SS3MX-XT20LE1-SD3X-XXK-MDMWGL.IES

POLAR GRAPH



Maximum Candela = 7859.658 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)