

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_14 ~ SS3MX-XT20LE1-SD3X-XXK-XNMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_14
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/16/2017
 [UPDATE] 5/8/2017
 [LUMCAT] SS3Mx-XT20L-E1-SD3x-xxK-XN-MW-GL
 [LUMINAIRE] Nom. 3" Square Downlight, Xtra Narrow Beam
 [OTHER] Matte White Trim, Clear Glass Lens
 [OTHER] 11.9 Degree Beam Angle
 [LAMP] N/A, 9mm LES
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SS3MO-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	1332
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	36
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	0.24
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_14 ~ SS3MX-XT20LE1-SD3X-XXK-XNMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2332	3789	2332
55	4641	4909	4641
65	4345	6312	4345
75	1646	1552	1646
85	1509	2355	1509

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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	11114.060	11114.060	11114.060	11114.060	11114.060
5	7576.393	8310.017	9672.794	8310.017	7576.393
10	1866.158	2160.978	3012.704	2160.978	1866.158
15	748.711	817.086	1011.792	817.086	748.711
20	607.059	629.811	692.766	629.811	607.059
25	513.899	565.538	627.928	565.538	513.899
30	157.223	285.236	553.741	285.236	157.223
35	38.857	59.284	383.042	59.284	38.857
40	23.853	23.346	104.787	23.346	23.853
45	14.973	18.949	24.331	18.949	14.973
50	12.803	14.889	23.054	14.889	12.803
55	24.171	22.957	25.571	22.957	24.171
60	32.561	33.912	37.936	33.912	32.561
65	16.674	15.451	24.225	15.451	16.674
70	6.954	5.957	7.965	5.957	6.954
75	3.869	3.572	3.648	3.572	3.869
80	3.796	4.327	3.067	4.327	3.796
85	1.194	2.263	1.864	2.263	1.194
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	928.74	N.A.	69.70
0-30	1167.9	N.A.	87.70
0-40	1264.83	N.A.	95.00
0-60	1306.02	N.A.	98.10
0-80	1329.77	N.A.	99.80
0-90	1331.85	N.A.	100.00
10-90	712.58	N.A.	53.50
20-40	336.09	N.A.	25.20
20-50	354.99	N.A.	26.70
40-70	60.21	N.A.	4.50
60-80	23.74	N.A.	1.80
70-80	4.73	N.A.	0.40
80-90	2.09	N.A.	0.20
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	1331.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	619.28
10-20	309.46
20-30	239.16
30-40	96.93
40-50	18.91
50-60	22.29
60-70	19.01
70-80	4.73
80-90	2.09
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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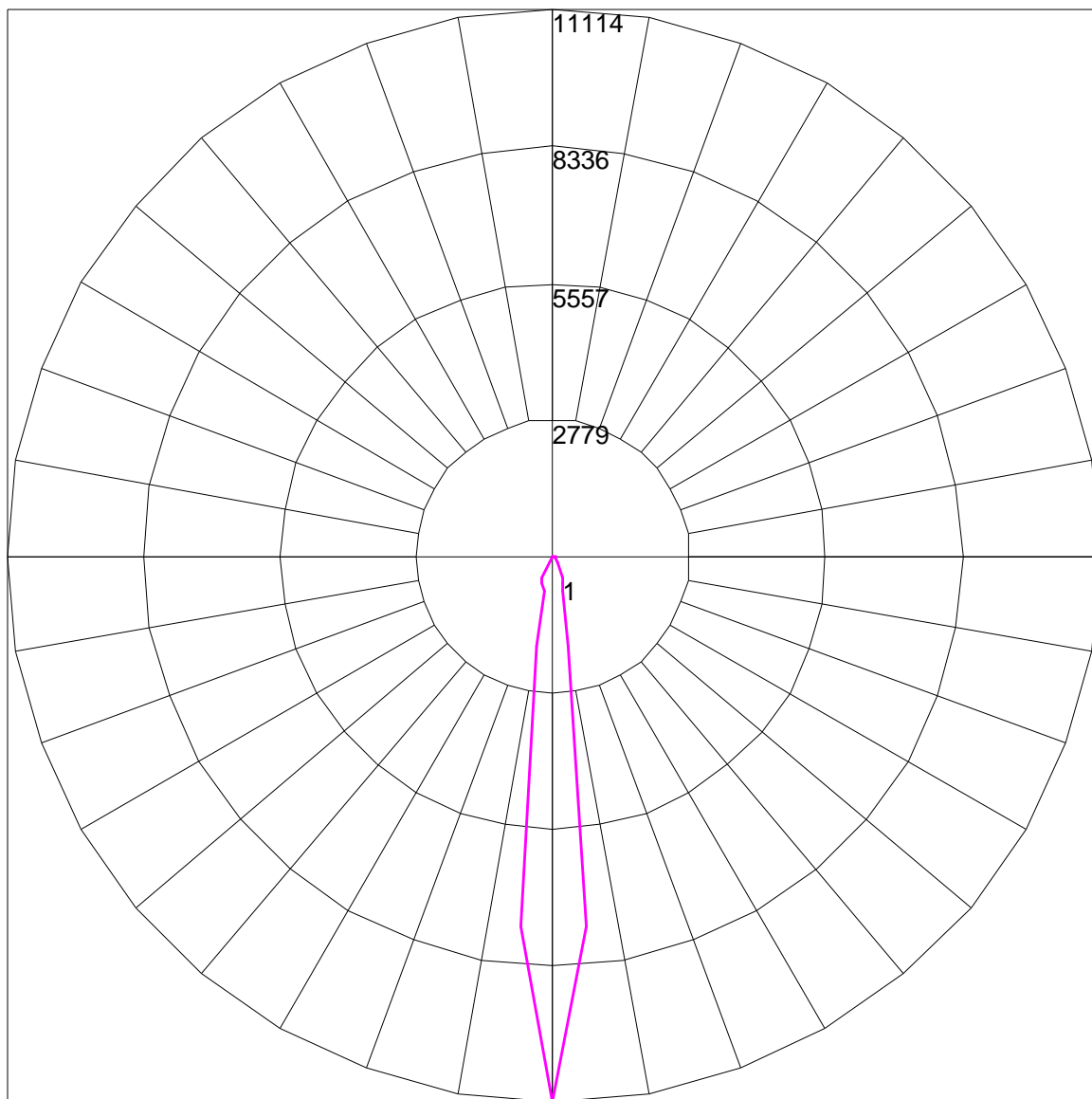
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80
7	95	88	84	81	93	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76
9	90	83	79	76	89	83	79	76	82	78	76	81	78	75	80	77	75	74
10	88	81	77	74	87	80	77	74	80	76	74	79	76	74	79	76	74	73

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POLAR GRAPH



Maximum Candela = 11114.06 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)