

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_24 ~ SS3DMX-XT20LE1-SDD3X-XXK-XNMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_24
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/17/2017
[UPDATE] 5/1/2017
[LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-XN-MW-NL
[LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Xtra Narrow Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 11.4 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: SS3DMO-XT-series
[OTHER] For Remodel/Retrofit Housing: SS3DMR-XT-Series
[OTHER] For SDD3F or SDD3N Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting, scaled from 13L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1280
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	34
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1713	2131	1698
55	3407	2996	2706
65	914	1688	1287
75	466	1085	725
85	0	0	0

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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	13218.050	13218.050	13218.050	13218.050	13218.050
5	7758.893	7843.874	7985.511	8084.631	8091.937
10	1969.169	1868.343	1761.758	1734.818	1731.278
15	827.821	820.662	817.494	820.719	828.364
20	700.419	689.909	688.941	691.780	687.327
25	575.197	630.664	645.770	636.898	607.909
30	186.590	294.101	601.106	371.284	236.235
35	37.151	43.251	355.825	45.817	34.135
40	19.582	20.552	66.356	17.946	18.269
45	11.000	13.244	13.682	11.119	10.906
50	8.619	8.406	11.226	9.944	6.762
55	17.748	16.208	15.603	16.083	14.096
60	16.802	20.095	20.008	12.439	18.131
65	3.506	7.164	6.479	4.906	4.939
70	2.227	1.807	1.727	2.294	2.815
75	1.095	1.418	2.549	1.334	1.705
80	1.369	1.586	1.287	1.236	0.538
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	882.88	N.A.	69.00
0-30	1147.05	N.A.	89.60
0-40	1244.35	N.A.	97.20
0-60	1269.94	N.A.	99.20
0-80	1279.32	N.A.	100.00
0-90	1279.66	N.A.	100.00
10-90	677.21	N.A.	52.90
20-40	361.48	N.A.	28.20
20-50	373.83	N.A.	29.20
40-70	33.19	N.A.	2.60
60-80	9.38	N.A.	0.70
70-80	1.77	N.A.	0.10
80-90	0.34	N.A.	0.00
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	1279.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	602.45
10-20	280.43
20-30	264.17
30-40	97.30
40-50	12.36
50-60	13.23
60-70	7.61
70-80	1.77
80-90	0.34
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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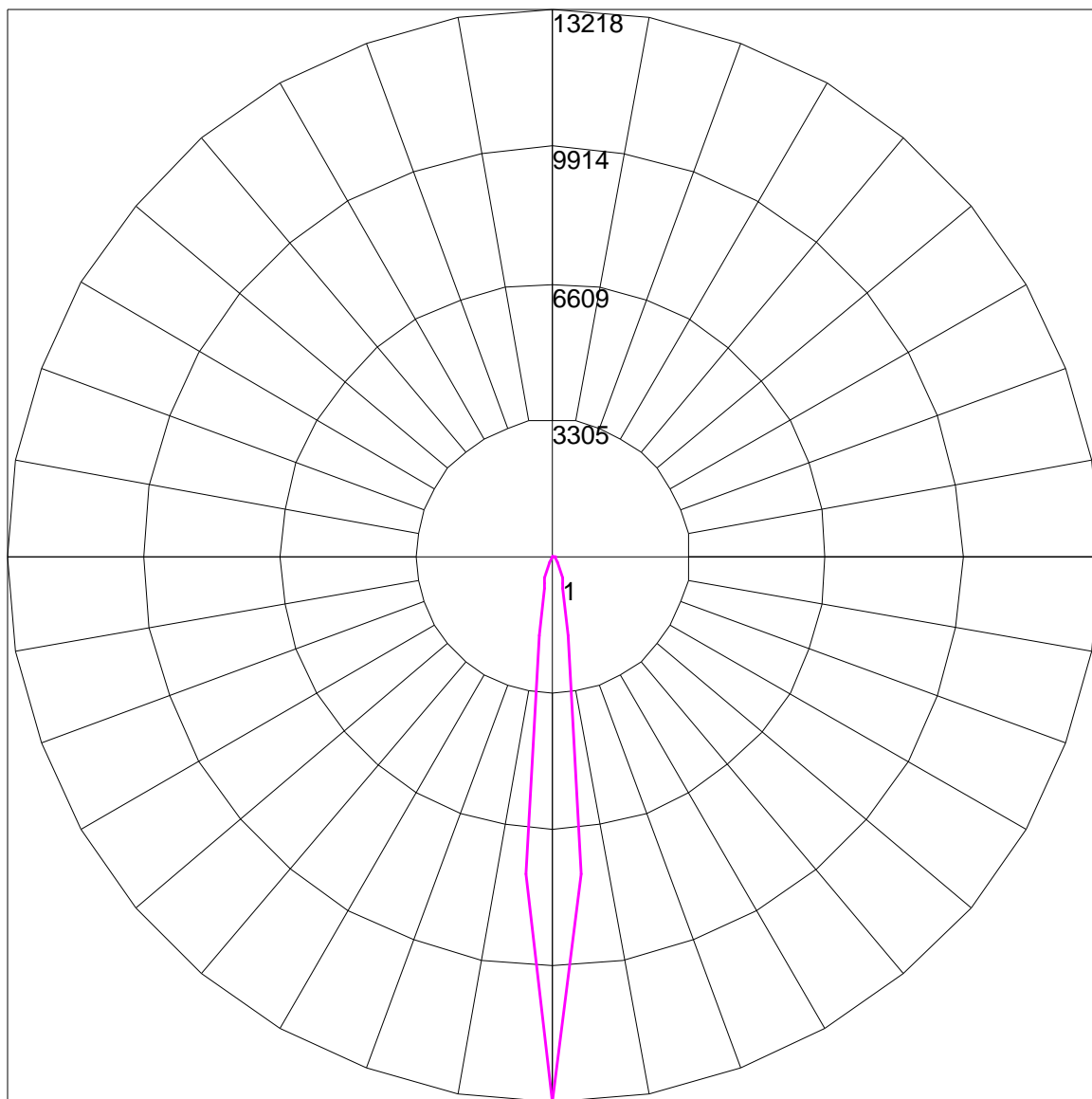
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
4	104	99	95	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	87	91	88	86	90	87	85	84
6	98	92	87	84	97	91	87	84	90	86	84	88	85	83	87	85	83	82
7	95	89	85	82	94	88	84	81	87	84	81	86	83	81	85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79	84	81	78	83	80	78	77
9	90	84	80	77	90	83	80	77	83	79	77	82	79	76	81	78	76	75
10	88	82	78	75	87	81	77	75	81	77	75	80	77	75	79	76	74	73

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POLAR GRAPH



Maximum Candela = 13218.05 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)