

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_24 ~ SS3DMX-XT13LE1-SDD3X-XXK-XNMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_24_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT13L-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 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	832
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	20.4
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	1113	1385	1104
55	2215	1947	1759
65	594	1097	836
75	303	705	471
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	8591.732	8591.732	8591.732	8591.732	8591.732
5	5043.280	5098.518	5190.582	5255.010	5259.759
10	1279.960	1214.423	1145.143	1127.632	1125.331
15	538.084	533.430	531.371	533.467	538.437
20	455.272	448.441	447.812	449.657	446.763
25	373.878	409.932	419.750	413.984	395.141
30	121.283	191.166	390.719	241.335	153.553
35	24.148	28.113	231.286	29.781	22.188
40	12.728	13.359	43.131	11.665	11.875
45	7.150	8.609	8.893	7.227	7.089
50	5.602	5.464	7.297	6.464	4.395
55	11.536	10.535	10.142	10.454	9.162
60	10.921	13.062	13.005	8.085	11.785
65	2.279	4.657	4.211	3.189	3.210
70	1.448	1.175	1.123	1.491	1.830
75	0.712	0.922	1.657	0.867	1.108
80	0.890	1.031	0.837	0.803	0.350
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	573.87	N.A.	69.00
0-30	745.58	N.A.	89.60
0-40	808.83	N.A.	97.20
0-60	825.46	N.A.	99.20
0-80	831.56	N.A.	100.00
0-90	831.78	N.A.	100.00
10-90	440.19	N.A.	52.90
20-40	234.96	N.A.	28.20
20-50	242.99	N.A.	29.20
40-70	21.57	N.A.	2.60
60-80	6.10	N.A.	0.70
70-80	1.15	N.A.	0.10
80-90	0.22	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	831.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	391.59
10-20	182.28
20-30	171.71
30-40	63.25
40-50	8.03
50-60	8.60
60-70	4.95
70-80	1.15
80-90	0.22
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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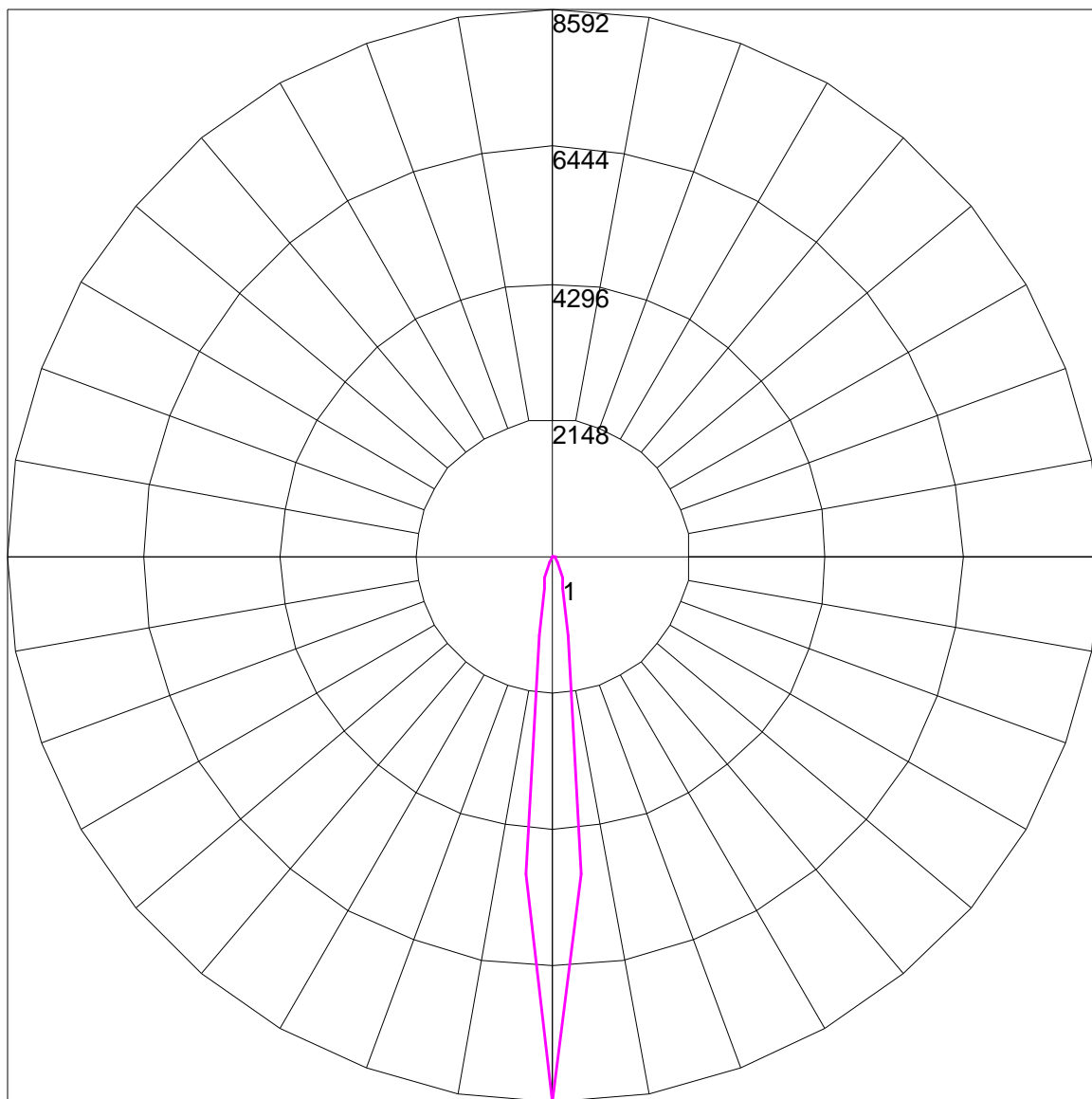
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 8591.732 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)