

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_42 ~ SR3DMX-XT13LE1-RDD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_42_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/15/2017

[UPDATE] 4/26/2017

[LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-MD-MW-NL

[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Medium Beam

[OTHER] Matte White Trim, No Lens

[OTHER] 45.9 Degree Beam Angle

[LAMP] N/A, 19mm

[LAMPCAT] N/A, Min. 83 CRI

[OTHER] Total Luminaire Watts is approximate

[OTHER] For New Construction Non-IC Housing: SR3DMO-XT-series

[OTHER] For New Construction IC Rated Housing: SR3DMI-XT-Series

[OTHER] For Remodel/Retrofit Housing: SR3DMR-XT-Series

[OTHER] For RDD3F or RDD3N 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	1163
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.74
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3793	4495	3793
55	2806	3233	2806
65	2072	2569	2072
75	1226	1654	1226
85	1850	1806	1850

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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	2278.907	2278.907	2278.907	2278.907	2278.907
5	2135.387	2173.687	2219.327	2173.687	2135.387
10	1808.531	1877.309	1962.731	1877.309	1808.531
15	1527.789	1591.903	1664.913	1591.903	1527.789
20	1200.173	1302.023	1390.195	1302.023	1200.173
25	770.387	884.611	1007.250	884.611	770.387
30	288.597	402.457	542.984	402.457	288.597
35	45.905	79.976	136.789	79.976	45.905
40	25.729	27.792	27.638	27.792	25.729
45	16.702	19.614	19.794	19.614	16.702
50	13.014	15.046	15.930	15.046	13.014
55	10.023	10.843	11.549	10.843	10.023
60	7.733	8.546	8.963	8.546	7.733
65	5.453	5.723	6.762	5.723	5.453
70	3.263	3.869	4.677	3.869	3.263
75	1.976	1.820	2.666	1.820	1.976
80	1.145	1.418	1.249	1.418	1.145
85	1.004	1.072	0.980	1.072	1.004
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	642.95	N.A.	55.30
0-30	1036.14	N.A.	89.10
0-40	1127.84	N.A.	97.00
0-60	1153.21	N.A.	99.20
0-80	1161.66	N.A.	99.90
0-90	1162.58	N.A.	100.00
10-90	964.20	N.A.	82.90
20-40	484.89	N.A.	41.70
20-50	500.24	N.A.	43.00
40-70	31.35	N.A.	2.70
60-80	8.45	N.A.	0.70
70-80	2.47	N.A.	0.20
80-90	0.92	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	1162.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	198.38
10-20	444.57
20-30	393.19
30-40	91.70
40-50	15.36
50-60	10.01
60-70	5.98
70-80	2.47
80-90	0.92
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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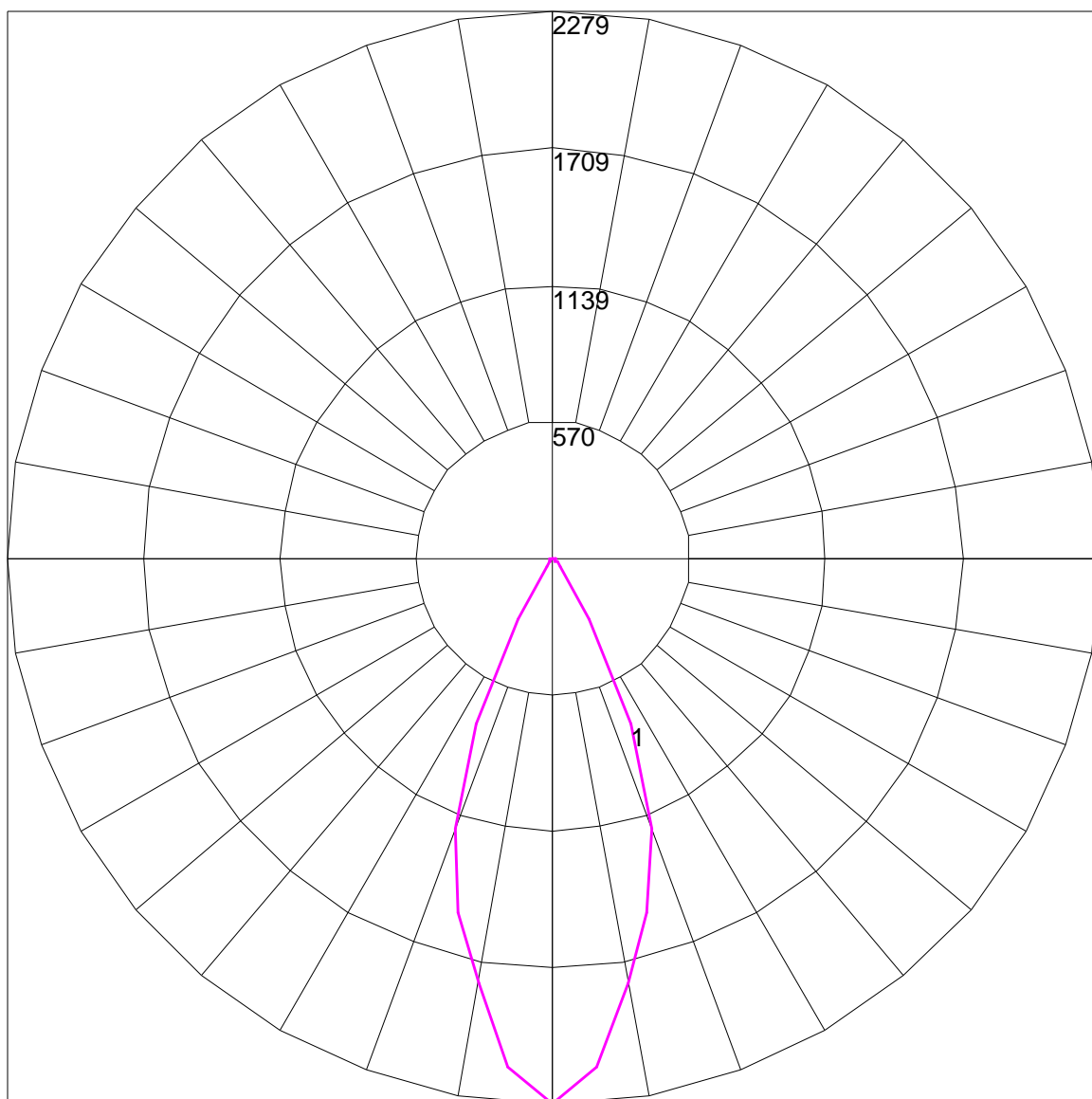
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	68	66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	65	63
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61

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POLAR GRAPH



Maximum Candela = 2278.907 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)