

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_47 ~ SR3DMX-XT13LE1-RDD3X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_47_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/14/2017
[UPDATE] 4/27/2017
[LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-WD-MW-GL
[LUMINAIRE] Nominal 3" Round Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 54.6 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: 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	1233
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.86
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	6758	7799	6758
55	5865	6257	5865
65	6853	7950	6853
75	3042	3612	3042
85	3282	3469	3282

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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	1544.281	1544.281	1544.281	1544.281	1544.281
5	1497.911	1518.614	1536.389	1518.614	1497.911
10	1406.409	1438.317	1461.532	1438.317	1406.409
15	1276.070	1322.227	1355.594	1322.227	1276.070
20	1099.836	1158.743	1200.468	1158.743	1099.836
25	857.576	936.779	994.115	936.779	857.576
30	550.495	639.623	701.427	639.623	550.495
35	266.729	332.875	384.176	332.875	266.729
40	89.251	131.689	163.863	131.689	89.251
45	29.758	32.477	34.343	32.477	29.758
50	24.655	25.896	26.968	25.896	24.655
55	20.948	22.494	22.348	22.494	20.948
60	21.101	20.897	20.513	20.897	21.101
65	18.036	20.208	20.923	20.208	18.036
70	9.570	12.168	14.646	12.168	9.570
75	4.903	5.185	5.821	5.185	4.903
80	2.323	3.870	3.745	3.870	2.323
85	1.781	1.528	1.883	1.528	1.781
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	509.57	N.A.	41.30
0-30	926.26	N.A.	75.10
0-40	1144.38	N.A.	92.80
0-60	1206.35	N.A.	97.80
0-80	1231.22	N.A.	99.80
0-90	1233.08	N.A.	100.00
10-90	1090.8	N.A.	88.50
20-40	634.81	N.A.	51.50
20-50	676.44	N.A.	54.90
40-70	79.96	N.A.	6.50
60-80	24.88	N.A.	2.00
70-80	6.89	N.A.	0.60
80-90	1.85	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	1233.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.28
10-20	367.28
20-30	416.70
30-40	218.12
40-50	41.63
50-60	20.34
60-70	17.99
70-80	6.89
80-90	1.85
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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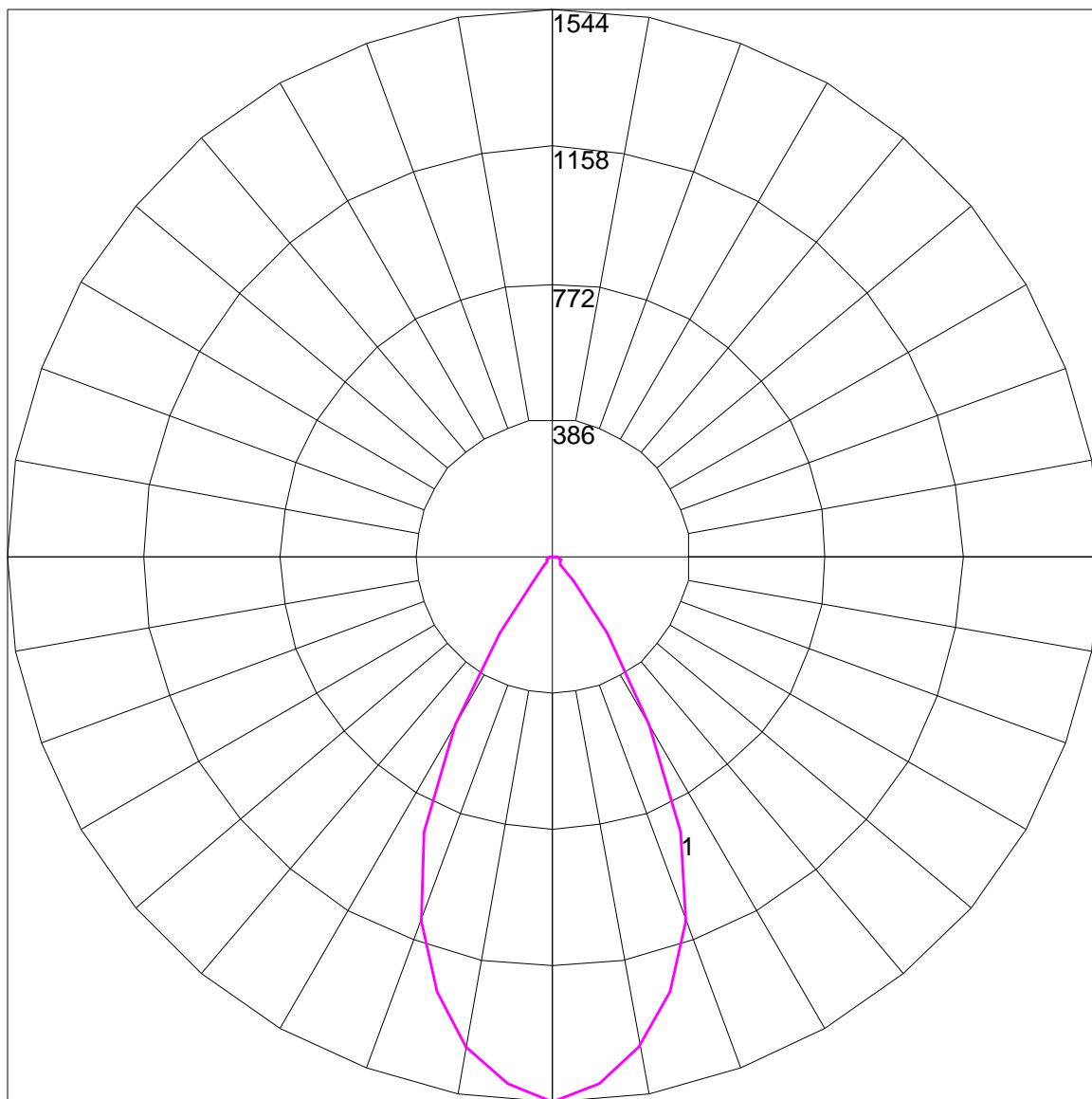
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	98	94	98	95	92	95	93	90	92	90	88	87
3	102	96	91	87	101	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

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POLAR GRAPH



Maximum Candela = 1544.281 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)