

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_41 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00545\_41\_M-13L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 2/15/2017  
[UPDATE] 4/26/2017  
[LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-ND-MW-GL  
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Narrow Beam  
[OTHER] Matte White Trim, Clear glass lens  
[OTHER] 23 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	1176
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)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_41 ~ SR3DMX-XT13LE1-RDD3X-XXK-NDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5874	6496	6169
55	3773	4111	3520
65	2815	3168	3033
75	2128	1964	1495
85	2736	2377	3136

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	3849.291	3849.291	3849.291	3849.291	3849.291
<b>5</b>	3728.905	3757.327	3797.327	3790.488	3778.859
<b>10</b>	2545.898	2544.482	2565.647	2550.188	2542.139
<b>15</b>	1400.274	1411.396	1420.431	1411.331	1401.380
<b>20</b>	960.110	960.229	964.854	952.870	940.880
<b>25</b>	639.283	639.709	640.193	631.309	626.990
<b>30</b>	368.518	364.609	365.201	359.035	350.082
<b>35</b>	96.647	95.708	93.995	92.920	91.048
<b>40</b>	32.875	33.484	33.440	34.384	34.342
<b>45</b>	25.866	26.364	28.605	27.297	27.163
<b>50</b>	21.247	20.662	20.786	21.062	19.932
<b>55</b>	13.478	12.576	14.685	12.174	12.573
<b>60</b>	12.219	10.936	11.016	10.116	10.158
<b>65</b>	7.409	7.540	8.338	7.435	7.983
<b>70</b>	4.411	5.195	5.376	4.894	4.512
<b>75</b>	3.430	2.762	3.166	2.823	2.410
<b>80</b>	1.646	1.217	2.200	1.558	2.350
<b>85</b>	1.485	0.985	1.290	0.850	1.702
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	747.63	N.A.	63.60
0-30	1041.04	N.A.	88.60
0-40	1129.54	N.A.	96.10
0-60	1163.42	N.A.	99.00
0-80	1174.47	N.A.	99.90
0-90	1175.58	N.A.	100.00
10-90	858.15	N.A.	73.00
20-40	381.91	N.A.	32.50
20-50	402.89	N.A.	34.30
40-70	41.61	N.A.	3.50
60-80	11.05	N.A.	0.90
70-80	3.31	N.A.	0.30
80-90	1.12	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	1175.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	317.44
10-20	430.19
20-30	293.41
30-40	88.50
40-50	20.97
50-60	12.90
60-70	7.74
70-80	3.31
80-90	1.12
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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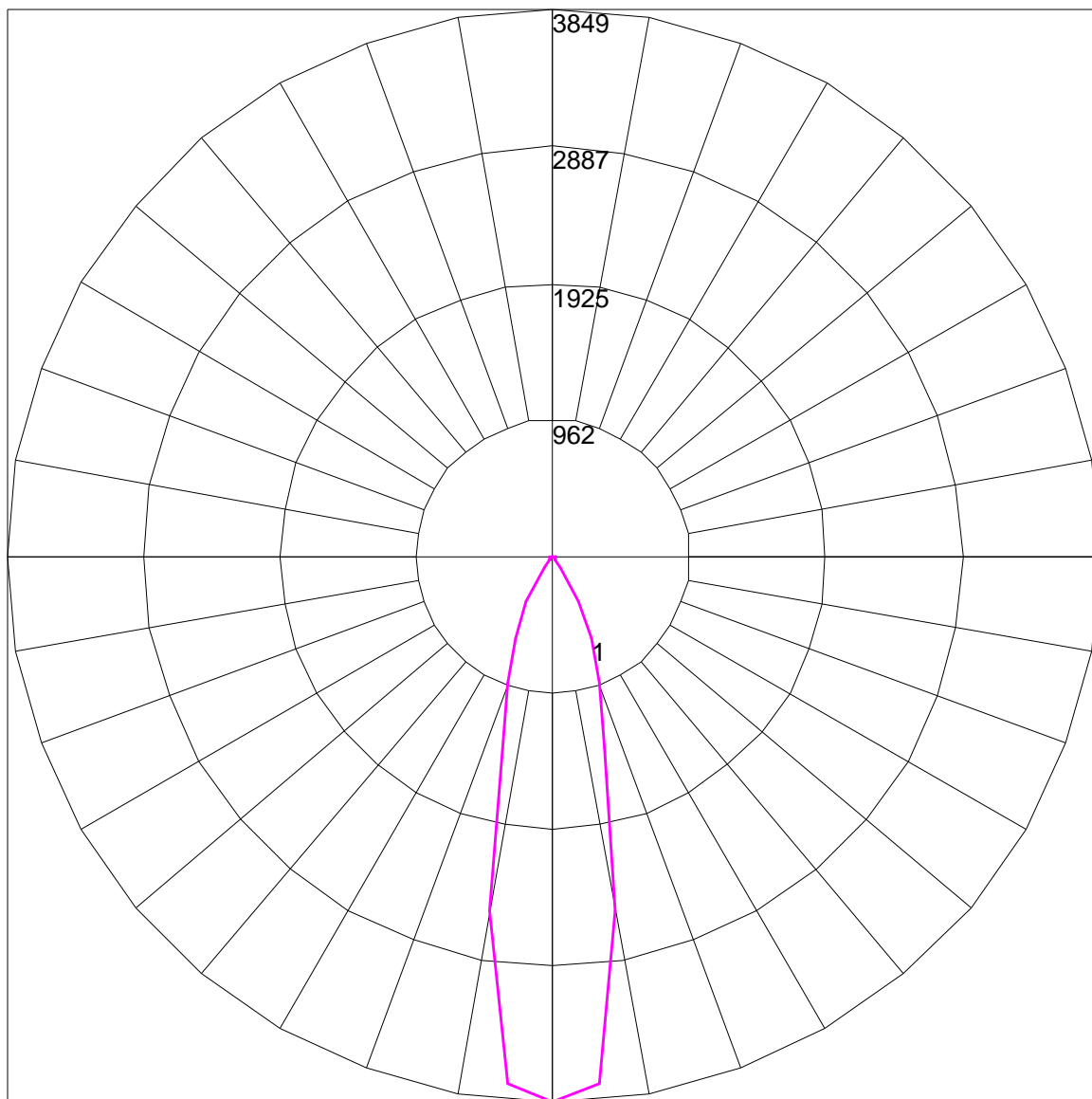
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	83	89	85	82	87	84	81	86	83	80	79
6	94	87	82	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	75	90	83	79	75	82	78	75	81	77	75	80	77	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65

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POLAR GRAPH



Maximum Candela = 3849.291 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)