

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_38 ~ SR3DMX-XT10LE1-RDD3X-XXK-XNMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00545\_38\_M-10L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 2/15/2017  
[UPDATE] 4/25/2017  
[LUMCAT] SR3DMx-XT10L-E1-RDD3x-xxK-XN-MW-GL  
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Xtra Narrow Beam  
[OTHER] Matte White Trim, Clear glass lens  
[OTHER] 10.8 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: 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	804
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.20
Spacing Criterion (90-270)	0.20
Spacing Criterion (Diagonal)	0.22
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\_38 ~ SR3DMX-XT10LE1-RDD3X-XXK-XNMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1322	1853	1579
55	1690	1686	1525
65	1125	1097	925
75	877	742	713
85	1061	1354	1419

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_38 ~ SR3DMX-XT10LE1-RDD3X-XXK-XNMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	10230.582	10230.582	10230.582	10230.582	10230.582
<b>5</b>	5809.835	5793.078	5800.354	5796.605	5809.917
<b>10</b>	1058.682	1059.137	1063.914	1057.173	1067.980
<b>15</b>	432.192	437.439	433.279	430.708	430.593
<b>20</b>	358.731	362.052	359.157	359.794	355.051
<b>25</b>	311.020	319.482	322.092	324.896	324.843
<b>30</b>	224.353	238.831	250.018	246.927	270.391
<b>35</b>	58.180	35.856	65.901	35.656	60.785
<b>40</b>	11.562	9.409	11.317	10.476	8.354
<b>45</b>	5.820	8.285	8.158	9.360	6.953
<b>50</b>	4.558	5.700	6.323	6.505	5.119
<b>55</b>	6.037	5.586	6.021	4.891	5.447
<b>60</b>	3.440	5.283	5.261	5.223	4.269
<b>65</b>	2.961	3.996	2.887	3.350	2.434
<b>70</b>	2.015	2.024	1.589	1.681	2.594
<b>75</b>	1.414	1.029	1.196	0.979	1.149
<b>80</b>	0.859	1.672	1.809	0.949	0.595
<b>85</b>	0.576	0.888	0.735	0.828	0.770
<b>90</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_38 ~ SR3DMX-XT10LE1-RDD3X-XXK-XNMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	591.03	N.A.	73.50
0-30	734.15	N.A.	91.30
0-40	787.52	N.A.	97.90
0-60	798.62	N.A.	99.30
0-80	803.34	N.A.	99.90
0-90	804.11	N.A.	100.00
10-90	367.04	N.A.	45.60
20-40	196.49	N.A.	24.40
20-50	202.69	N.A.	25.20
40-70	14.38	N.A.	1.80
60-80	4.71	N.A.	0.60
70-80	1.43	N.A.	0.20
80-90	0.78	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	804.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	437.08
10-20	153.96
20-30	143.12
30-40	53.37
40-50	6.20
50-60	4.90
60-70	3.28
70-80	1.43
80-90	0.78
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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545\_38 ~ SR3DMX-XT10LE1-RDD3X-XXK-XNMWGL.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

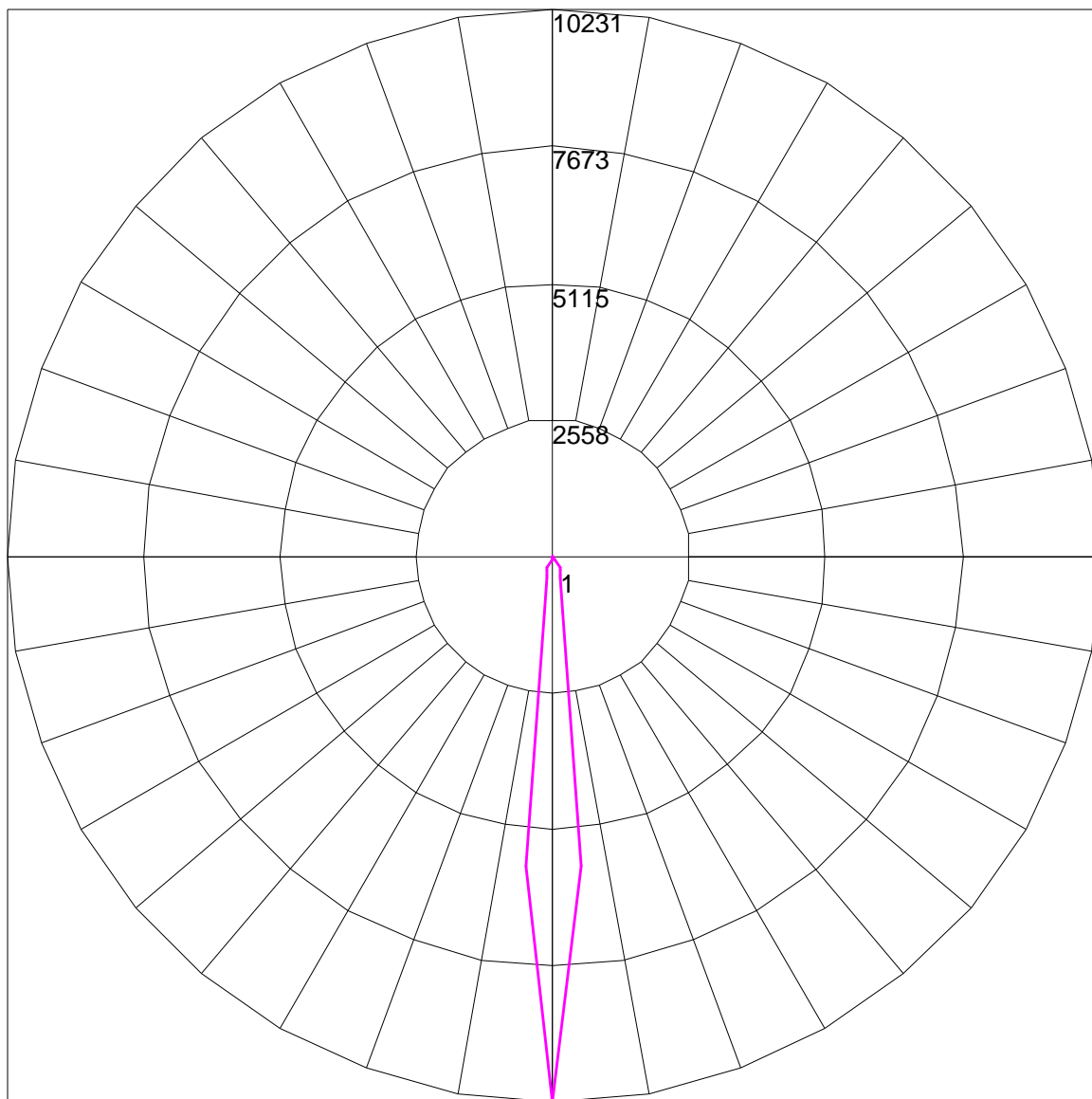
Effective Floor Cavity Reflectance 0.20

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	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	97	95	94
3	108	104	100	98	106	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82
8	95	89	85	82	94	88	85	82	88	84	82	87	84	82	86	83	81	81
9	93	87	83	81	92	86	83	80	86	82	80	85	82	80	84	82	80	79
10	91	85	81	79	90	85	81	79	84	81	79	83	80	78	83	80	78	77

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545\_38 ~ SR3DMX-XT10LE1-RDD3X-XXK-XNMWGL.IES

## POLAR GRAPH



Maximum Candela = 10230.582 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)