

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_47 ~ SR3DMX-XT10LE1-RDD3X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545\_47\_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/14/2017

[UPDATE] 4/27/2017

[LUMCAT] SR3DMx-XT10L-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	915
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	11.1
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_47 ~ SR3DMX-XT10LE1-RDD3X-XXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5016	5790	5016
55	4354	4644	4354
65	5087	5902	5087
75	2258	2681	2258
85	2436	2576	2436

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_47 ~ SR3DMX-XT10LE1-RDD3X-XXK-WDMWGL.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>	1146.332	1146.332	1146.332	1146.332	1146.332
<b>5</b>	1111.911	1127.279	1140.474	1127.279	1111.911
<b>10</b>	1043.989	1067.674	1084.907	1067.674	1043.989
<b>15</b>	947.236	981.499	1006.268	981.499	947.236
<b>20</b>	816.417	860.144	891.117	860.144	816.417
<b>25</b>	636.585	695.378	737.939	695.378	636.585
<b>30</b>	408.636	474.797	520.675	474.797	408.636
<b>35</b>	197.995	247.095	285.177	247.095	197.995
<b>40</b>	66.252	97.754	121.637	97.754	66.252
<b>45</b>	22.089	24.108	25.493	24.108	22.089
<b>50</b>	18.302	19.223	20.018	19.223	18.302
<b>55</b>	15.550	16.697	16.589	16.697	15.550
<b>60</b>	15.663	15.512	15.227	15.512	15.663
<b>65</b>	13.388	15.000	15.532	15.000	13.388
<b>70</b>	7.104	9.032	10.872	9.032	7.104
<b>75</b>	3.639	3.849	4.321	3.849	3.639
<b>80</b>	1.724	2.873	2.780	2.873	1.724
<b>85</b>	1.322	1.134	1.398	1.134	1.322
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	378.26	N.A.	41.30
0-30	687.57	N.A.	75.10
0-40	849.48	N.A.	92.80
0-60	895.48	N.A.	97.80
0-80	913.95	N.A.	99.90
0-90	915.32	N.A.	100.00
10-90	809.71	N.A.	88.50
20-40	471.23	N.A.	51.50
20-50	502.13	N.A.	54.90
40-70	59.35	N.A.	6.50
60-80	18.47	N.A.	2.00
70-80	5.11	N.A.	0.60
80-90	1.38	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	915.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	105.62
10-20	272.64
20-30	309.32
30-40	161.91
40-50	30.90
50-60	15.10
60-70	13.35
70-80	5.11
80-90	1.38
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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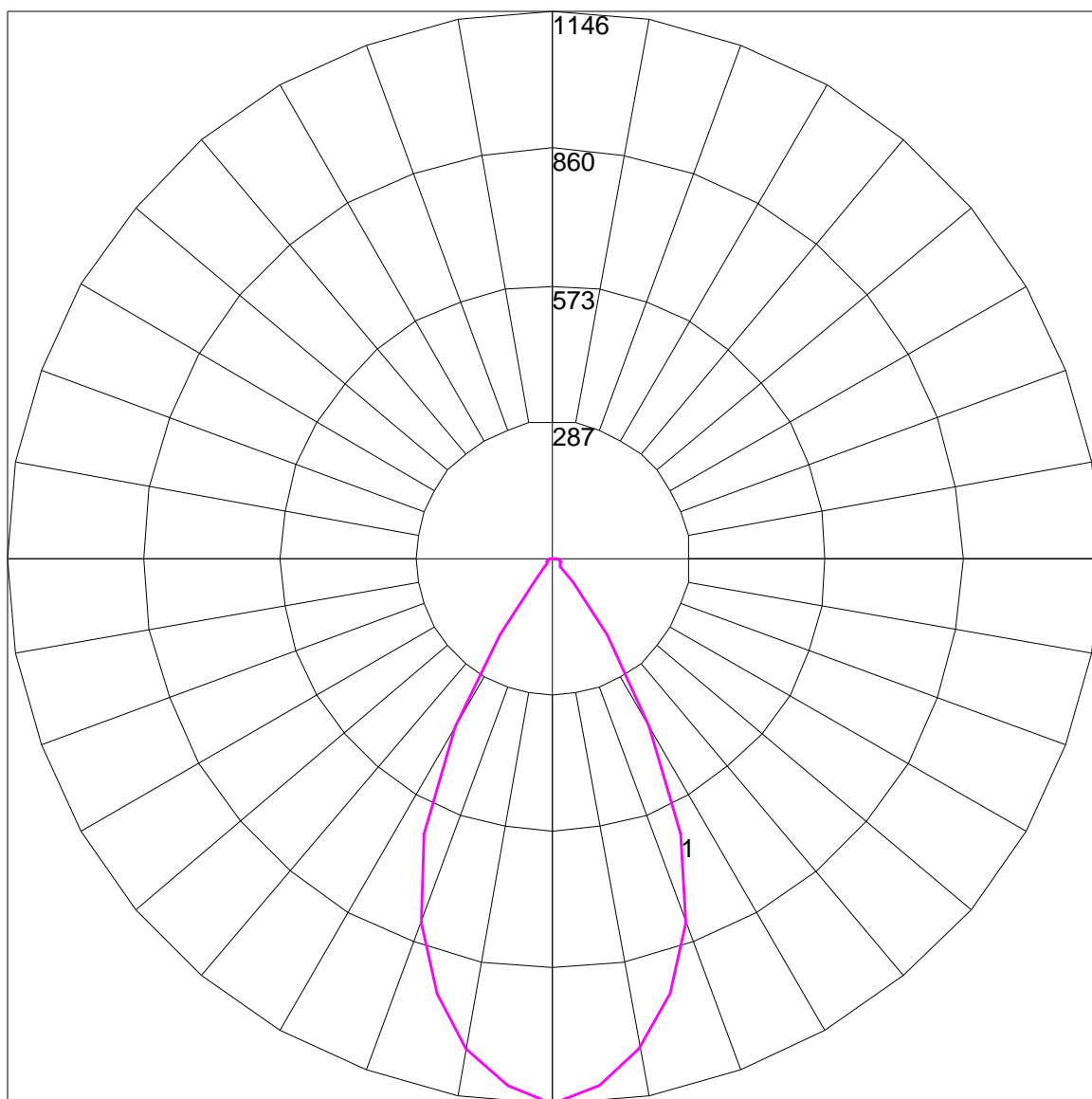
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87
3	103	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	84	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	77	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 = 1146.332 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)