

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SR3SM-XT10L-RDSS3F-90D-MWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00492\_9-M-XT10L

[TESTLAB] Photopia 2015.1.1 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUE DATE]

[TEST DATE] Mon Oct 03 2016

[UPDATE] Tue Apr 11 2017

[MANUFAC] Spectrum Lighting

[LUMCAT] SR3SM-XT-10L-E1-RDSS3F-xxK-90D-MW-SO

[LUMINAIRE] 3" Round Shallow Downlight, Nom. 90 Degree Beam Angle

[TRIM] Matte White, regressed integral Solite Lens

[OTHER] Round Aperture: 2.5" Diameter

[LAMP] N/A, Min 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Wattage is approximate

[OTHER] LEDXT lumen output is the same for all available CCT's

[OTHER] This report by Spectrum Lighting, scaled from LEDOC10L30K

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	765
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.21 ft (Diameter)
Luminous Width (90-270)	0.21 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SR3SM-XT10L-RDSS3F-90D-MWSO.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	90242	88820	87261
55	42740	42008	43102
65	17532	18402	18569
75	15683	13613	14993
85	873	1387	1387

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SR3SM-XT10L-RDSS3F-90D-MWSO.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>	360.123	360.123	360.123	360.123	360.123
<b>5</b>	346.004	365.364	378.394	377.154	354.573
<b>10</b>	375.631	394.077	380.058	375.831	365.148
<b>15</b>	386.206	374.292	386.372	379.900	392.138
<b>20</b>	364.557	372.919	364.466	366.321	361.055
<b>25</b>	357.344	349.165	342.917	348.908	357.078
<b>30</b>	330.437	331.560	329.805	334.164	329.148
<b>35</b>	313.198	308.481	309.063	309.762	308.189
<b>40</b>	268.436	267.829	272.638	271.082	269.019
<b>45</b>	202.209	204.972	199.023	203.216	195.528
<b>50</b>	128.170	136.506	131.805	132.313	131.589
<b>55</b>	77.684	74.630	76.353	77.468	78.341
<b>60</b>	45.327	45.735	45.935	43.955	44.861
<b>65</b>	23.479	24.794	24.644	26.890	24.868
<b>70</b>	15.508	16.415	16.399	16.557	15.941
<b>75</b>	12.863	12.405	11.165	11.989	12.297
<b>80</b>	4.426	5.616	6.024	5.491	5.691
<b>85</b>	0.241	0.399	0.383	0.524	0.383
<b>90</b>	0.000	0.000	0.050	0.108	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SR3SM-XT10L-RDSS3F-90D-MWSO.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	142.42	N.A.	18.60
0-30	303.70	N.A.	39.70
0-40	494.77	N.A.	64.70
0-60	723.25	N.A.	94.60
0-80	762.93	N.A.	99.80
0-90	764.67	N.A.	100.00
10-90	729.21	N.A.	95.40
20-40	352.34	N.A.	46.10
20-50	507.18	N.A.	66.30
40-70	256.06	N.A.	33.50
60-80	39.68	N.A.	5.20
70-80	12.10	N.A.	1.60
80-90	1.74	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	764.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	35.46
10-20	106.97
20-30	161.28
30-40	191.06
40-50	154.84
50-60	73.65
60-70	27.57
70-80	12.10
80-90	1.74
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

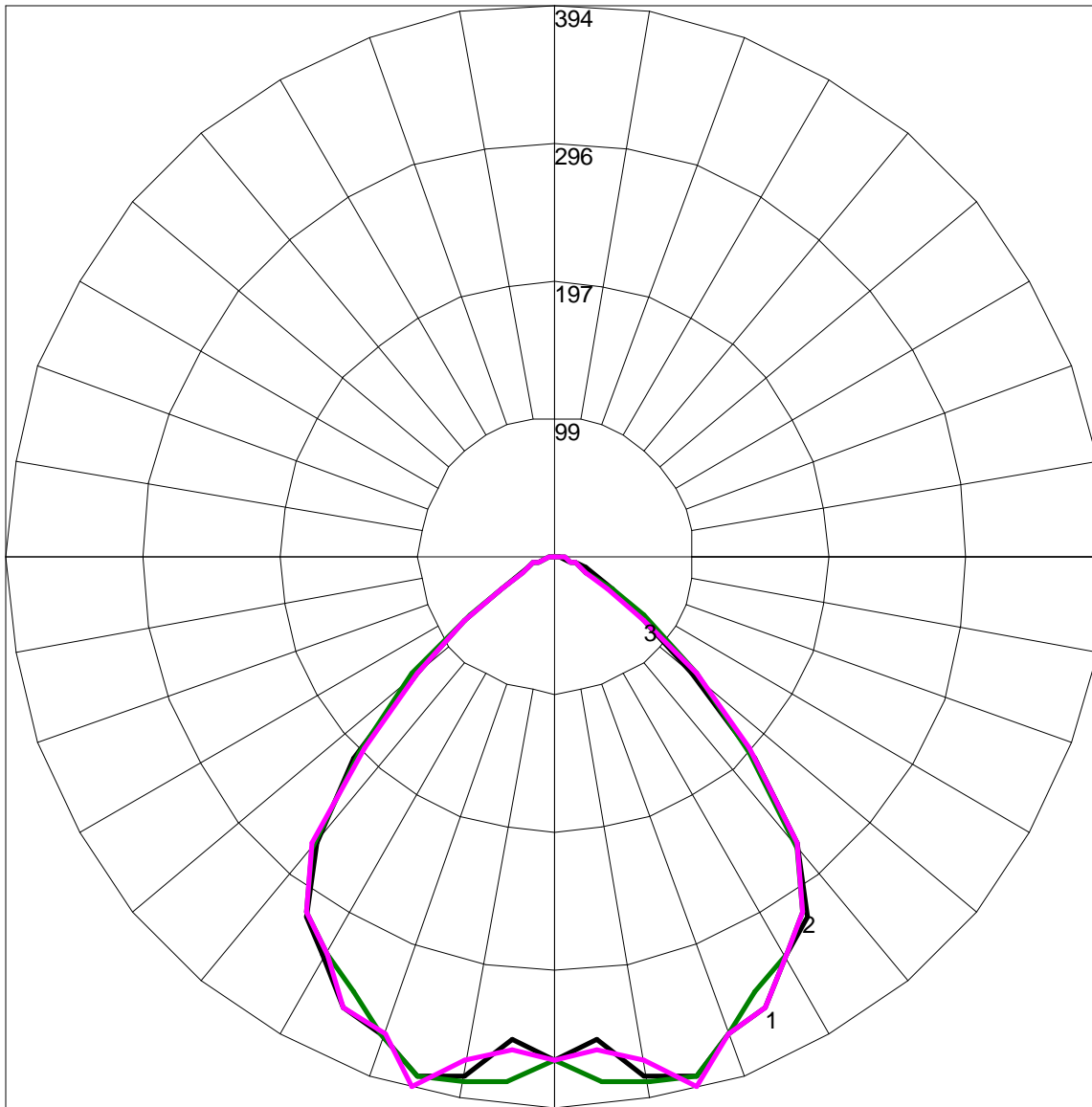
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SR3SM-XT10L-RDSS3F-90D-MWSO.IES**

**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	111	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89
2	104	97	92	87	101	95	91	86	92	88	85	89	86	83	86	83	81	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	77	66	58	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	39	48	42	38	37
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34

POLAR GRAPH



Maximum Candela = 394.077 Located At Horizontal Angle = 22.5, Vertical Angle = 10

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Vertical Plane Through Horizontal Angles (45 - 225)

# 3 - Vertical Plane Through Horizontal Angles (90 - 270)