

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SR3SM-XT10L-RDSS3F-70D-MWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00492\_18\_M-XT10L

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

[ISSUE DATE]

[TEST DATE] Fri Sep 09 2016

[UPDATE] Tue Mar 14 2017

[MANUFAC] Spectrum Lighting

[LUMCAT] SR3SM-XT-10L-E1-RDSS3F-xxK-70D-MW-SO

[LUMINAIRE] 3" Round Shallow Downlight, Nom. 70 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	807
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.00
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	1.08
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

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	85000	84503	85117
55	49136	48885	49035
65	19135	19973	19915
75	10300	10237	10419
85	1557	1876	1905

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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>	525.819	525.819	525.819	525.819	525.819
<b>5</b>	530.775	517.625	528.126	525.125	527.722
<b>10</b>	539.250	530.889	534.127	536.267	532.837
<b>15</b>	504.588	506.535	504.281	501.719	510.343
<b>20</b>	446.519	445.510	446.607	445.932	446.730
<b>25</b>	380.187	376.546	377.072	375.616	373.432
<b>30</b>	322.495	319.758	318.846	317.925	320.188
<b>35</b>	274.814	279.736	277.946	280.534	278.595
<b>40</b>	237.415	240.082	240.152	238.959	239.898
<b>45</b>	190.462	190.278	189.348	188.962	190.725
<b>50</b>	137.394	137.938	136.341	137.297	138.227
<b>55</b>	89.309	88.125	88.853	88.362	89.125
<b>60</b>	52.147	52.050	50.910	51.506	51.603
<b>65</b>	25.626	26.047	26.749	26.319	26.670
<b>70</b>	14.370	14.546	14.879	14.625	14.440
<b>75</b>	8.448	8.606	8.396	8.405	8.545
<b>80</b>	4.369	4.334	4.167	3.992	4.123
<b>85</b>	0.430	0.535	0.518	0.483	0.526
<b>90</b>	0.035	0.035	0.035	0.026	0.079

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	190.50	N.A.	23.60
0-30	364.86	N.A.	45.20
0-40	539.41	N.A.	66.90
0-60	766.54	N.A.	95.00
0-80	805.27	N.A.	99.80
0-90	806.69	N.A.	100.00
10-90	756.23	N.A.	93.70
20-40	348.91	N.A.	43.30
20-50	494.49	N.A.	61.30
40-70	256.44	N.A.	31.80
60-80	38.72	N.A.	4.80
70-80	9.42	N.A.	1.20
80-90	1.42	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	806.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	50.46
10-20	140.04
20-30	174.36
30-40	174.55
40-50	145.58
50-60	81.55
60-70	29.30
70-80	9.42
80-90	1.42
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

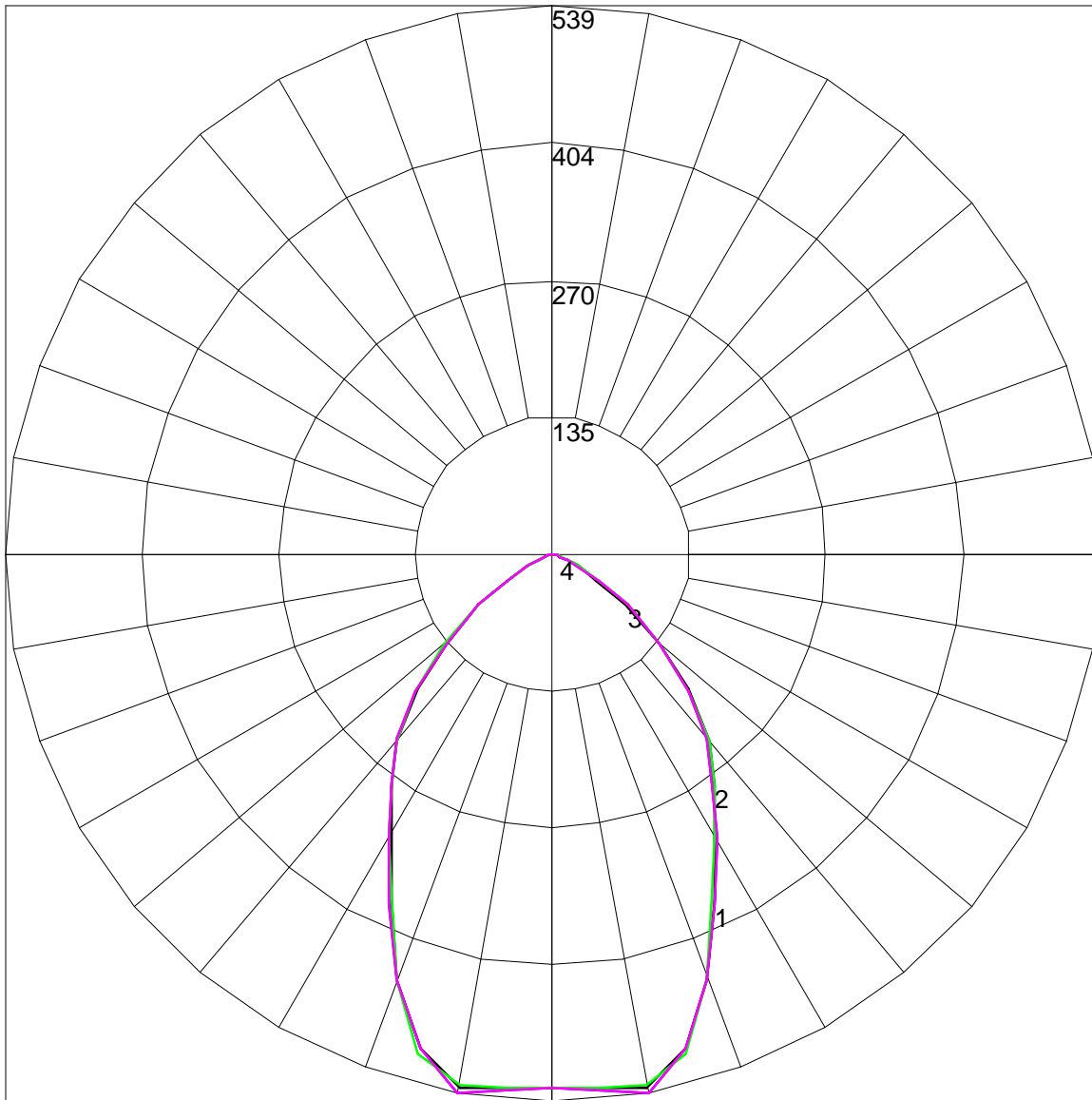
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	66	64
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

POLAR GRAPH



Maximum Candela = 539.25 Located At Horizontal Angle = 0, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (45 - 225)  
# 3 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 4 - Vertical Plane Through Horizontal Angles (0 - 180)