

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_39 ~ SR3DMX-XT30LE1-RDD3X-XXK-NDMWNL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_39\_M-30L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUE DATE] 2/15/2017  
 [UPDATE] 4/26/2017  
 [LUMCAT] SR3DMx-XT30L-E1-RDD3x-xxK-ND-MW-NL  
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Narrow Beam  
 [OTHER] Matte White Trim, No Lens  
 [OTHER] 22.8 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 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	3481
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.52
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\_39 ~ SR3DMX-XT30LE1-RDD3X-XXK-NDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4859	7464	4859
55	4158	6132	4158
65	4992	8306	4992
75	2842	4932	2842
85	5325	5994	5325

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_39 ~ SR3DMX-XT30LE1-RDD3X-XXK-NDMWNL.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>	10199.223	10199.223	10199.223	10199.223	10199.223
<b>5</b>	9337.071	9844.583	10195.610	9844.583	9337.071
<b>10</b>	6400.990	7536.531	8386.210	7536.531	6400.990
<b>15</b>	3778.709	4308.133	4719.507	4308.133	3778.709
<b>20</b>	2613.159	2910.798	3109.814	2910.798	2613.159
<b>25</b>	1777.902	2035.233	2177.555	2035.233	1777.902
<b>30</b>	1068.377	1286.650	1397.611	1286.650	1068.377
<b>35</b>	309.285	495.779	613.019	495.779	309.285
<b>40</b>	26.317	36.691	63.367	36.691	26.317
<b>45</b>	21.395	27.468	32.867	27.468	21.395
<b>50</b>	20.587	23.413	25.371	23.413	20.587
<b>55</b>	14.853	17.916	21.901	17.916	14.853
<b>60</b>	20.404	19.598	20.694	19.598	20.404
<b>65</b>	13.137	18.918	21.858	18.918	13.137
<b>70</b>	9.096	12.037	14.521	12.037	9.096
<b>75</b>	4.580	5.619	7.949	5.619	4.580
<b>80</b>	3.265	4.356	4.968	4.356	3.265
<b>85</b>	2.890	2.788	3.253	2.788	2.890
<b>90</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_39 ~ SR3DMX-XT30LE1-RDD3X-XXK-NDMWNL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2144.08	N.A.	61.60
0-30	3070.57	N.A.	88.20
0-40	3413.18	N.A.	98.10
0-60	3453.81	N.A.	99.20
0-80	3478.14	N.A.	99.90
0-90	3480.89	N.A.	100.00
10-90	2623.92	N.A.	75.40
20-40	1269.1	N.A.	36.50
20-50	1291.91	N.A.	37.10
40-70	57.57	N.A.	1.70
60-80	24.33	N.A.	0.70
70-80	7.39	N.A.	0.20
80-90	2.75	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	3480.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	856.97
10-20	1287.1
20-30	926.50
30-40	342.60
40-50	22.81
50-60	17.82
60-70	16.94
70-80	7.39
80-90	2.75
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\_39 ~ SR3DMX-XT30LE1-RDD3X-XXK-NDMWNL.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

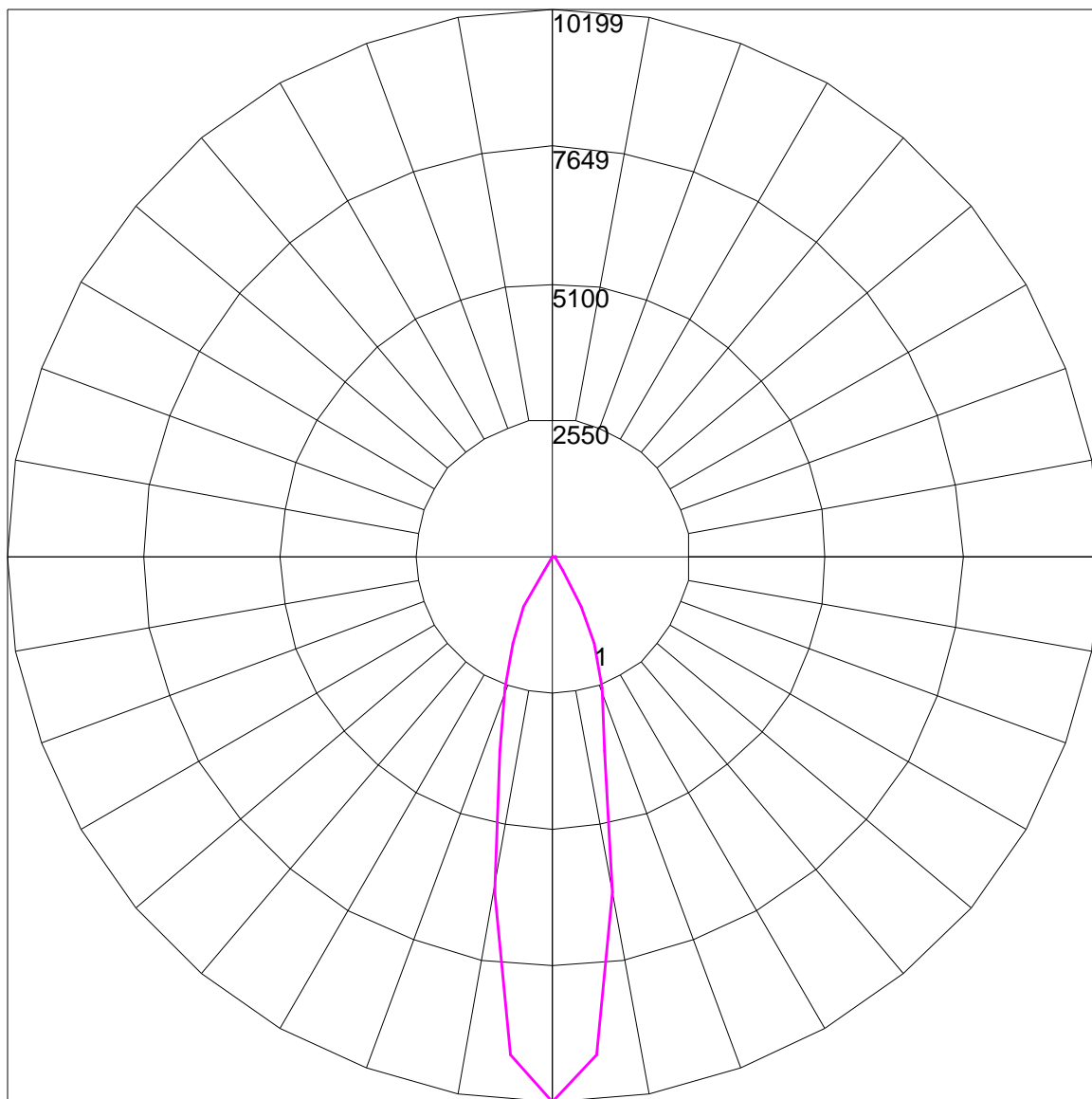
Effective Floor Cavity Reflectance 0.20

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	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	91	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	82	88	85	82	87	83	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	73
8	88	80	75	72	87	79	75	72	78	74	71	77	74	71	77	73	71	70
9	85	77	72	69	84	76	72	69	76	71	68	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	71	68	66	64

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545\_39 ~ SR3DMX-XT30LE1-RDD3X-XXK-NDMWNL.IES

## POLAR GRAPH



Maximum Candela = 10199.223 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)