

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_34 ~ SS3DMX-XT10LE1-SDD3X-XXK-WDMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_34\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT10L-E1-SDD3x-xxK-WD-MW-SO  
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Wide Beam  
 [OTHER] Matte White Trim, Solite Lens  
 [OTHER] 49.1 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: SS3DMO-XT-series  
 [OTHER] For New Construction IC Rated Housing: SS3DMI-XT-Series  
 [OTHER] For Remodel/Retrofit Housing: SS3DMR-XT-Series  
 [OTHER] For SDD3F or SDD3N 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	736
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.80
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_34 ~ SS3DMX-XT10LE1-SDD3X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4402	8646	5070
55	2285	3227	2643
65	1994	1906	1994
75	391	344	431
85	821	910	835

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	1063.399	1063.399	1063.399	1063.399	1063.399
<b>5</b>	1039.090	1038.321	1034.822	1035.530	1030.775
<b>10</b>	953.498	961.970	962.646	964.224	951.196
<b>15</b>	807.454	828.522	840.936	842.869	820.660
<b>20</b>	633.889	668.124	685.493	679.682	648.264
<b>25</b>	442.726	487.318	526.026	501.255	459.217
<b>30</b>	273.601	315.366	369.015	332.966	290.836
<b>35</b>	151.941	178.578	227.142	194.709	166.076
<b>40</b>	67.409	87.329	118.021	100.343	80.576
<b>45</b>	28.269	40.167	55.516	43.882	32.557
<b>50</b>	15.249	19.691	27.160	21.099	17.320
<b>55</b>	11.900	13.596	16.810	14.705	13.766
<b>60</b>	9.772	12.158	11.155	12.084	12.027
<b>65</b>	7.652	8.209	7.315	8.562	7.654
<b>70</b>	2.199	3.229	3.122	3.143	2.457
<b>75</b>	0.920	1.091	0.809	0.807	1.014
<b>80</b>	0.777	0.880	0.643	0.946	0.642
<b>85</b>	0.650	0.904	0.720	0.732	0.661
<b>90</b>	0.843	0.269	0.677	0.284	0.651

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Zone	Lumens	%Lamp	%Fixt
0-20	326.44	N.A.	44.30
0-30	551.40	N.A.	74.90
0-40	674.71	N.A.	91.60
0-60	726.75	N.A.	98.70
0-80	735.72	N.A.	99.90
0-90	736.49	N.A.	100.00
10-90	639.98	N.A.	86.90
20-40	348.28	N.A.	47.30
20-50	386.56	N.A.	52.50
40-70	59.54	N.A.	8.10
60-80	8.97	N.A.	1.20
70-80	1.47	N.A.	0.20
80-90	0.76	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	736.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	96.51
10-20	229.93
20-30	224.96
30-40	123.31
40-50	38.29
50-60	13.75
60-70	7.50
70-80	1.47
80-90	0.76
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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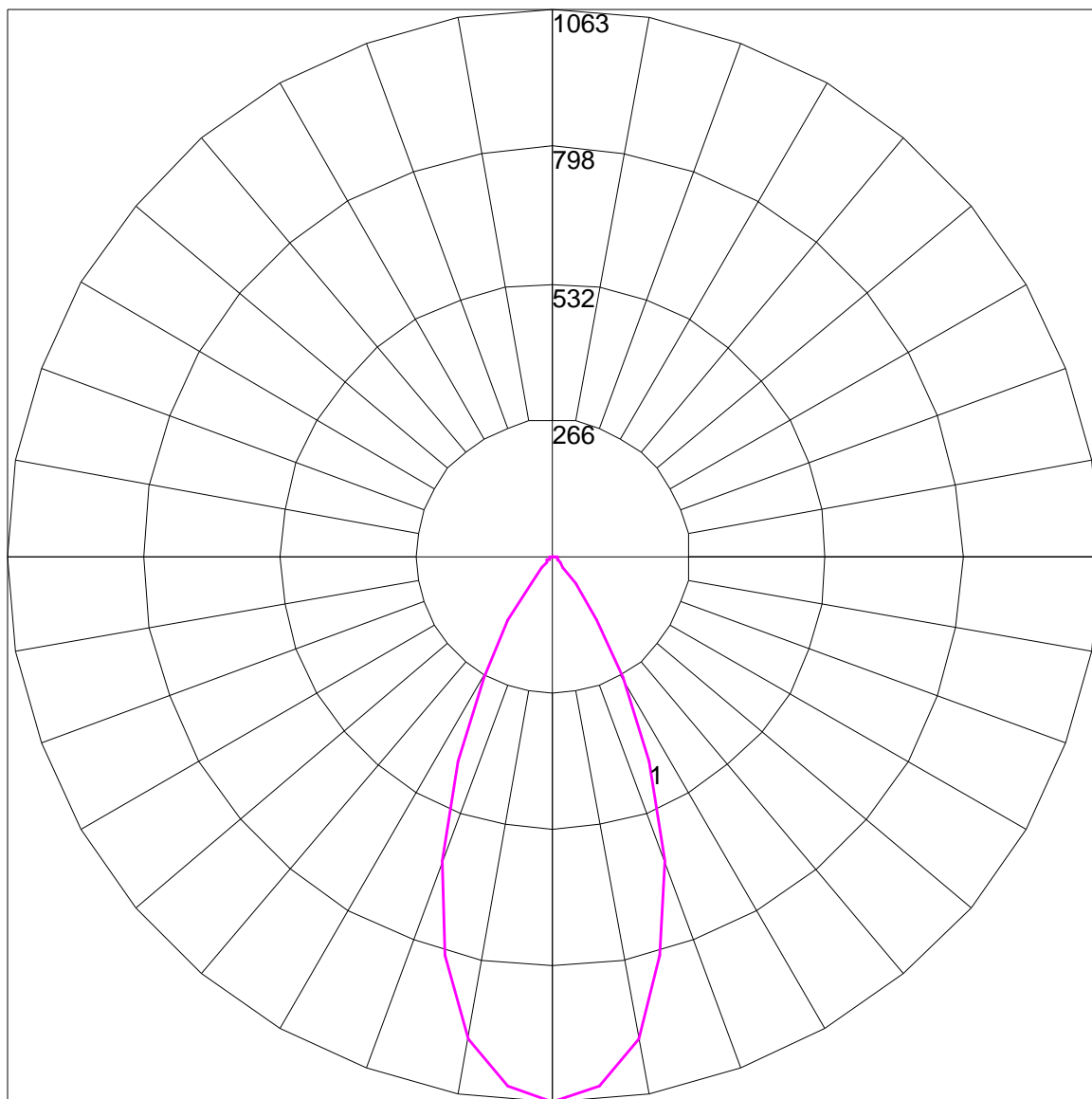
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	69	67
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	71	68	65	63
8	81	72	66	62	80	71	66	62	70	65	61	69	64	61	68	64	61	60
9	77	68	62	58	76	67	62	58	67	62	58	66	61	58	65	61	58	56
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	53

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POLAR GRAPH



Maximum Candela = 1063.399 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)