

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00545\_29 ~ SS3DMX-XT30LE1-SDD3X-XXK-NDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00545\_29\_M-30L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 2/17/2017  
[UPDATE] 5/5/2017  
[LUMCAT] SS3DMx-XT30L-E1-SDD3x-xxK-MD-MW-GL  
[LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Narrow Beam  
[OTHER] Matte White Trim, clear glass lens  
[OTHER] 26.6 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 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	1508
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	44
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.50
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\_29 ~ SS3DMX-XT30LE1-SDD3X-XXK-NDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12095	16578	12095
55	10120	17600	10120
65	3443	5841	3443
75	991	2408	991
85	2272	3264	2272

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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>	4759.331	4759.331	4759.331	4759.331	4759.331
<b>5</b>	4113.217	4239.930	4430.471	4239.930	4113.217
<b>10</b>	2526.201	2717.589	3027.718	2717.589	2526.201
<b>15</b>	1725.322	1814.394	1912.484	1814.394	1725.322
<b>20</b>	1066.646	1240.130	1341.900	1240.130	1066.646
<b>25</b>	553.266	756.197	961.495	756.197	553.266
<b>30</b>	204.552	341.349	605.548	341.349	204.552
<b>35</b>	105.332	121.653	287.268	121.653	105.332
<b>40</b>	83.837	91.481	123.438	91.481	83.837
<b>45</b>	77.664	87.552	106.451	87.552	77.664
<b>50</b>	49.907	69.726	106.032	69.726	49.907
<b>55</b>	52.712	62.551	91.671	62.551	52.712
<b>60</b>	43.209	52.214	71.250	52.214	43.209
<b>65</b>	13.215	22.151	22.415	22.151	13.215
<b>70</b>	3.788	6.008	6.755	6.008	3.788
<b>75</b>	2.329	2.849	5.660	2.849	2.329
<b>80</b>	2.256	1.680	4.929	1.680	2.256
<b>85</b>	1.798	1.434	2.583	1.434	1.798
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	879.47	N.A.	58.30
0-30	1230.03	N.A.	81.60
0-40	1351.2	N.A.	89.60
0-60	1477.89	N.A.	98.00
0-80	1506.53	N.A.	99.90
0-90	1508.23	N.A.	100.00
10-90	1149.93	N.A.	76.20
20-40	471.73	N.A.	31.30
20-50	539.49	N.A.	35.80
40-70	151.34	N.A.	10.00
60-80	28.64	N.A.	1.90
70-80	3.99	N.A.	0.30
80-90	1.70	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	1508.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	358.30
10-20	521.17
20-30	350.56
30-40	121.17
40-50	67.76
50-60	58.93
60-70	24.65
70-80	3.99
80-90	1.70
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

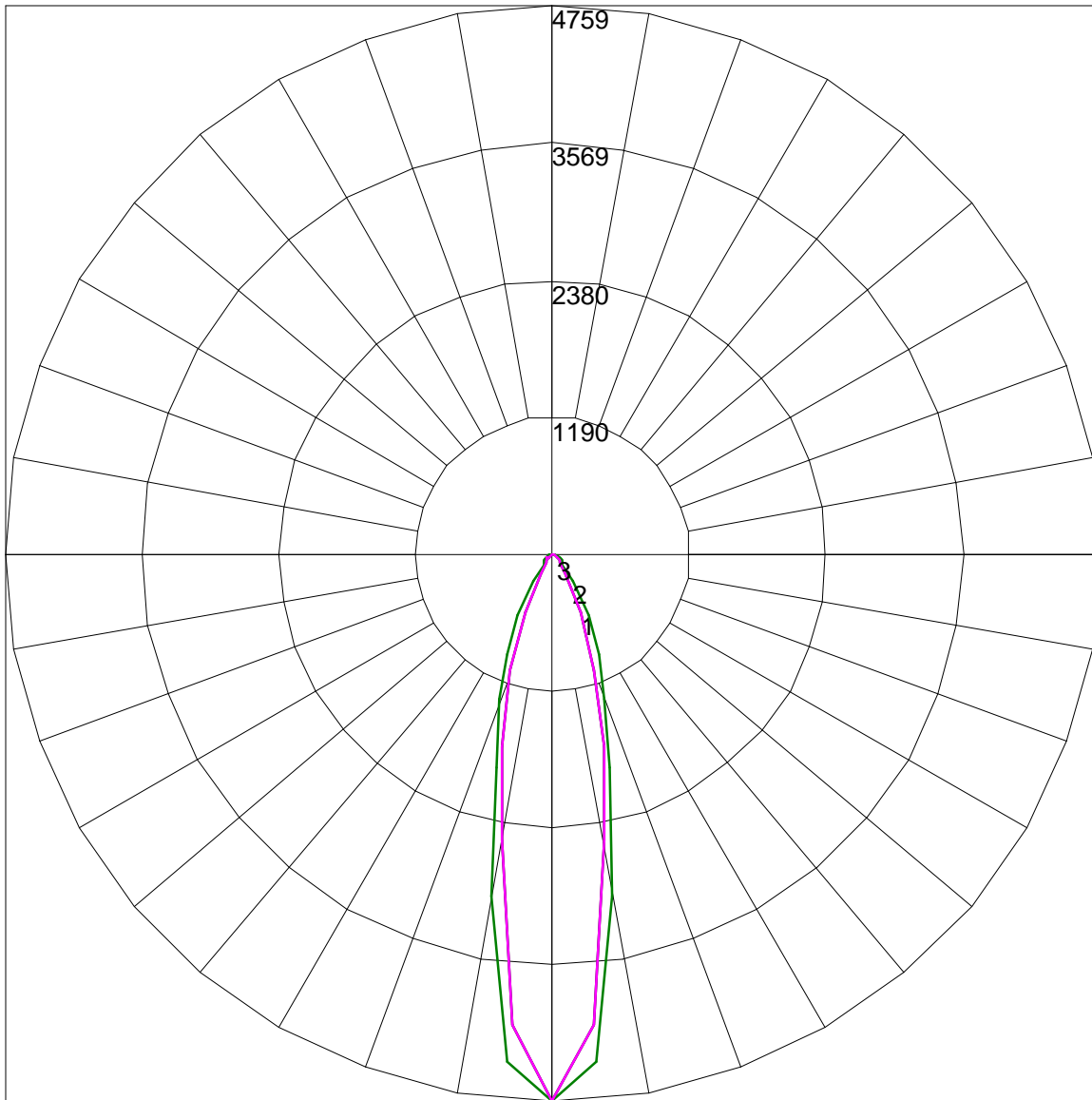
Effective Floor Cavity Reflectance 0.20

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	109	107	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	70	67	66
9	82	74	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	65	62	70	65	62	69	65	62	68	64	62	61

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## POLAR GRAPH



Maximum Candela = 4759.331 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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

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