

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00545\_28 ~ SS3DMX-XT30LE1-SDD3X-XXK-NDMWSO.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00545\_28\_M-30L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 2/17/2017  
 [UPDATE] 5/1/2017  
 [LUMCAT] SS3DMx-XT30L-E1-SDD3x-xxK-ND-MW-SO  
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Narrow Beam  
 [OTHER] Matte White Trim, Solite Lens  
 [OTHER] 27.8 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: 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	2068
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.58
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\_28 ~ SS3DMX-XT30LE1-SDD3X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14367	22533	14367
55	12525	18523	12525
65	8100	9621	8100
75	1430	3423	1430
85	2559	3181	2559

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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>	4628.849	4628.849	4628.849	4628.849	4628.849
<b>5</b>	4327.807	4410.481	4470.016	4410.481	4327.807
<b>10</b>	3443.790	3643.506	3733.024	3643.506	3443.790
<b>15</b>	2350.776	2533.825	2557.515	2533.825	2350.776
<b>20</b>	1559.401	1682.597	1679.967	1682.597	1559.401
<b>25</b>	976.839	1139.682	1192.680	1139.682	976.839
<b>30</b>	508.354	693.956	829.423	693.956	508.354
<b>35</b>	230.880	350.075	492.789	350.075	230.880
<b>40</b>	120.332	170.419	252.414	170.419	120.332
<b>45</b>	92.257	111.153	144.691	111.153	92.257
<b>50</b>	75.632	90.438	117.838	90.438	75.632
<b>55</b>	65.240	74.867	96.480	74.867	65.240
<b>60</b>	45.511	54.853	66.692	54.853	45.511
<b>65</b>	31.087	38.428	36.925	38.428	31.087
<b>70</b>	13.368	21.117	18.140	21.117	13.368
<b>75</b>	3.361	4.343	8.046	4.343	3.361
<b>80</b>	2.554	2.259	3.483	2.259	2.554
<b>85</b>	2.025	2.078	2.518	2.078	2.025
<b>90</b>	0.000	0.171	0.501	0.171	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1098.97	N.A.	53.10
0-30	1615.78	N.A.	78.10
0-40	1857.7	N.A.	89.80
0-60	2022.2	N.A.	97.80
0-80	2066.51	N.A.	99.90
0-90	2068.47	N.A.	100.00
10-90	1673.55	N.A.	80.90
20-40	758.73	N.A.	36.70
20-50	855.13	N.A.	41.30
40-70	200.63	N.A.	9.70
60-80	44.31	N.A.	2.10
70-80	8.18	N.A.	0.40
80-90	1.96	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	2068.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	394.92
10-20	704.05
20-30	516.81
30-40	241.91
40-50	96.40
50-60	68.10
60-70	36.13
70-80	8.18
80-90	1.96
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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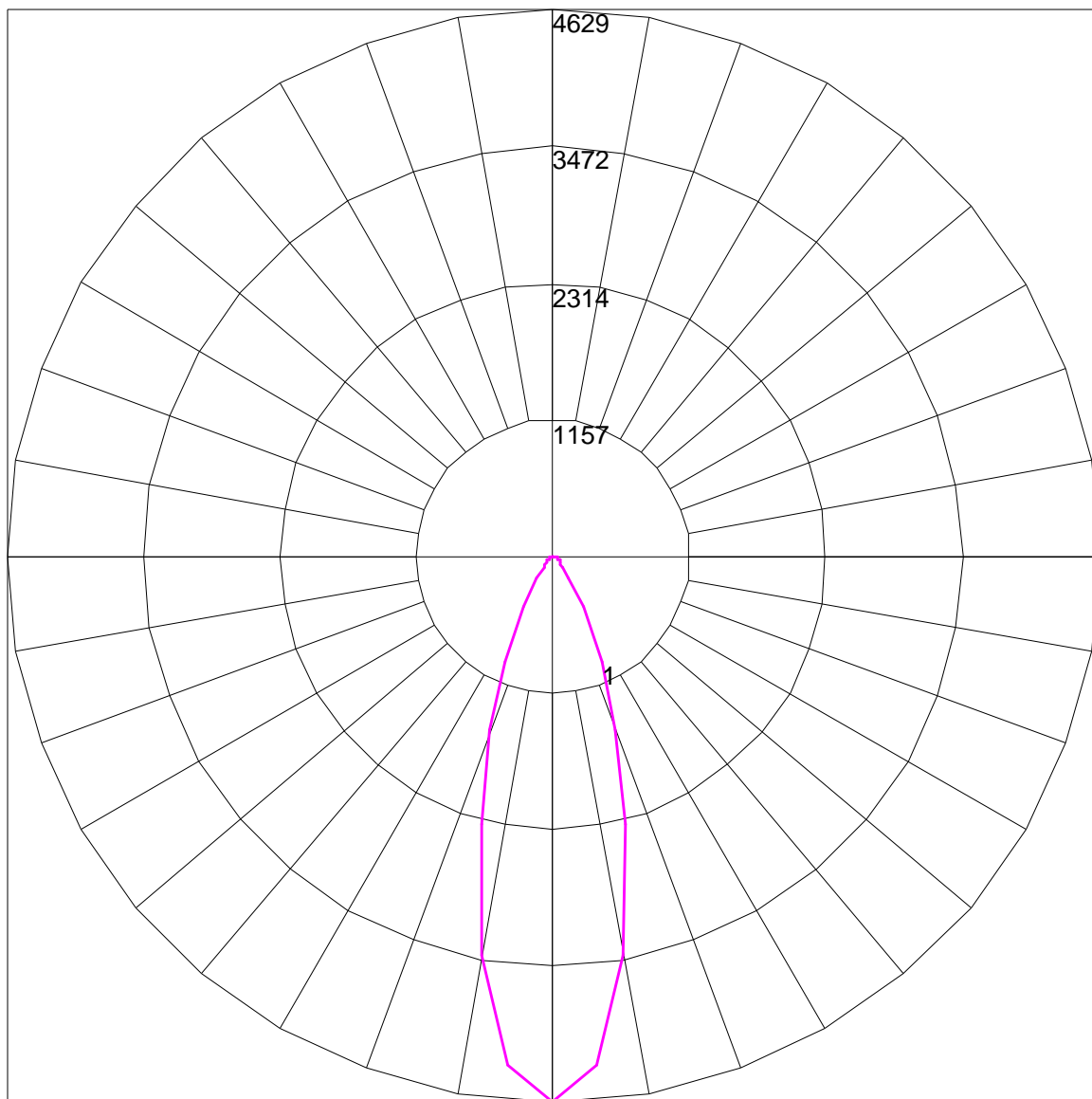
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	92	86	82	97	91	86	82	88	84	81	86	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70
7	87	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63
9	80	71	66	62	79	70	65	62	70	65	62	69	64	61	68	64	61	60
10	77	68	63	59	76	68	62	59	67	62	59	66	62	59	65	61	59	57

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POLAR GRAPH



Maximum Candela = 4628.849 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)