

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_28 ~ SS3DMX-XT13LE1-SDD3X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_28_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/17/2017

[UPDATE] 5/1/2017

[LUMCAT] SS3DMx-XT13L-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	896
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	15
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-XT13LE1-SDD3X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6226	9764	6226
55	5427	8027	5427
65	3510	4169	3510
75	620	1484	620
85	1108	1378	1108

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2005.834	2005.834	2005.834	2005.834	2005.834
5	1875.383	1911.209	1937.007	1911.209	1875.383
10	1492.309	1578.853	1617.644	1578.853	1492.309
15	1018.670	1097.991	1108.256	1097.991	1018.670
20	675.741	729.125	727.986	729.125	675.741
25	423.297	493.862	516.828	493.862	423.297
30	220.287	300.714	359.417	300.714	220.287
35	100.048	151.699	213.542	151.699	100.048
40	52.144	73.848	109.379	73.848	52.144
45	39.978	48.166	62.700	48.166	39.978
50	32.774	39.190	51.063	39.190	32.774
55	28.270	32.442	41.808	32.442	28.270
60	19.722	23.770	28.900	23.770	19.722
65	13.471	16.652	16.001	16.652	13.471
70	5.793	9.151	7.860	9.151	5.793
75	1.457	1.882	3.487	1.882	1.457
80	1.107	0.979	1.509	0.979	1.107
85	0.877	0.900	1.091	0.900	0.877
90	0.000	0.074	0.217	0.074	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	476.22	N.A.	53.10
0-30	700.17	N.A.	78.10
0-40	805.00	N.A.	89.80
0-60	876.29	N.A.	97.80
0-80	895.49	N.A.	99.90
0-90	896.34	N.A.	100.00
10-90	725.21	N.A.	80.90
20-40	328.78	N.A.	36.70
20-50	370.55	N.A.	41.30
40-70	86.94	N.A.	9.70
60-80	19.20	N.A.	2.10
70-80	3.55	N.A.	0.40
80-90	0.85	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	896.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	171.13
10-20	305.09
20-30	223.95
30-40	104.83
40-50	41.77
50-60	29.51
60-70	15.66
70-80	3.55
80-90	0.85
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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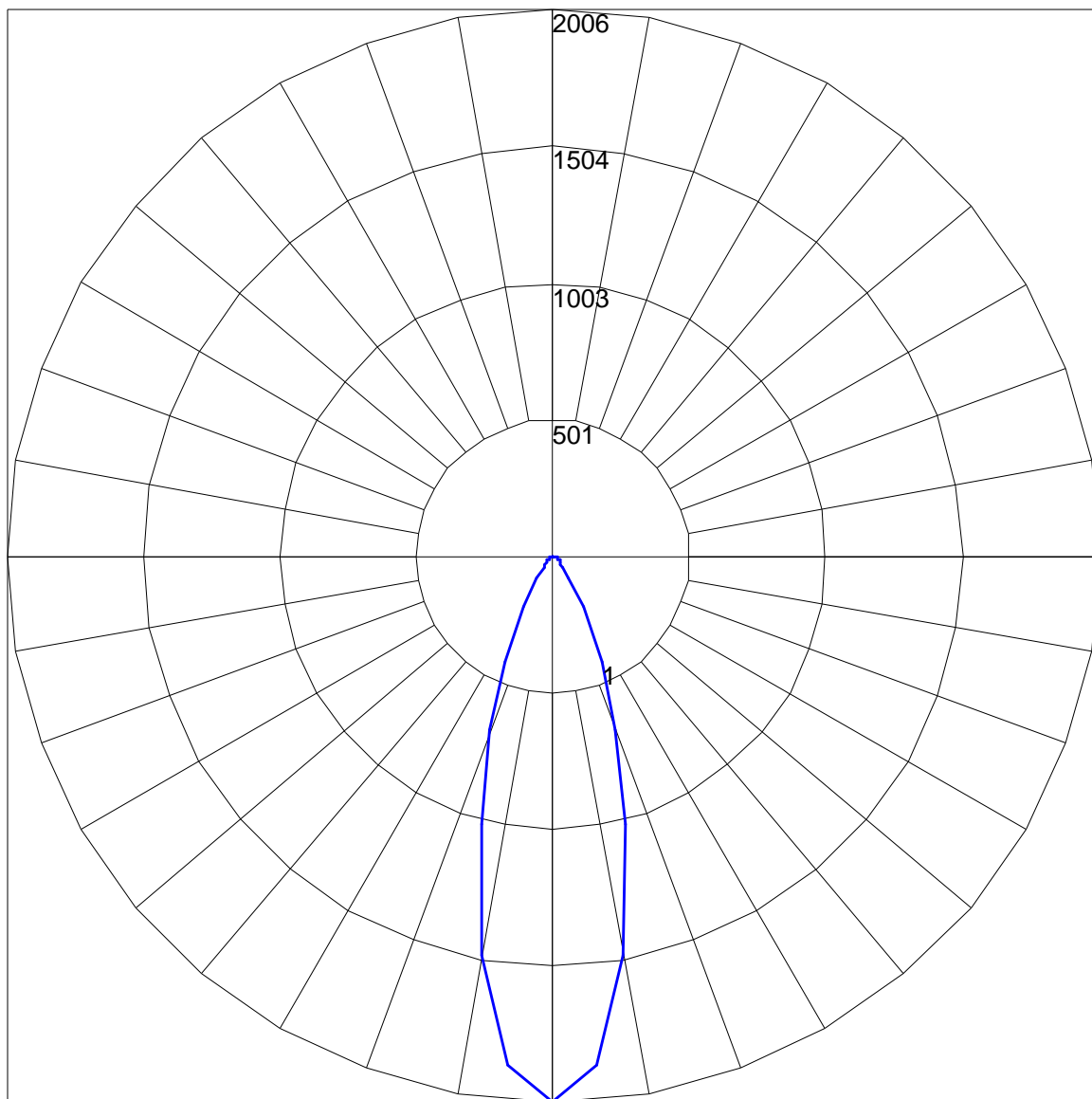
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	96	94	92	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 = 2005.834 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)