

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_27 ~ SS3DMX-XT10LE1-SDD3X-XXK-NDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_27_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT10L-E1-SDD3x-xxK-ND-MW-NL
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 26.8 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	566
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	11.1
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2224	2912	2224
55	1752	3726	1752
65	1962	2862	1962
75	438	557	438
85	767	657	767

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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	1374.307	1374.307	1374.307	1374.307	1374.307
5	1471.794	1456.482	1437.351	1456.482	1471.794
10	1207.649	1234.910	1222.307	1234.910	1207.649
15	666.142	685.548	703.707	685.548	666.142
20	437.742	466.921	473.567	466.921	437.742
25	238.731	315.486	343.227	315.486	238.731
30	104.398	167.685	242.798	167.685	104.398
35	26.558	50.542	122.887	50.542	26.558
40	19.811	19.857	38.316	19.857	19.811
45	14.281	16.454	18.700	16.454	14.281
50	12.041	15.475	18.962	15.475	12.041
55	9.126	13.078	19.409	13.078	9.126
60	12.081	16.796	21.131	16.796	12.081
65	7.530	10.897	10.984	10.897	7.530
70	1.991	2.686	2.305	2.686	1.991
75	1.030	0.937	1.308	0.937	1.030
80	0.750	0.814	0.976	0.814	0.750
85	0.607	0.719	0.520	0.719	0.607
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	337.52	N.A.	59.70
0-30	477.67	N.A.	84.50
0-40	526.55	N.A.	93.10
0-60	553.95	N.A.	97.90
0-80	565.04	N.A.	99.90
0-90	565.62	N.A.	100.00
10-90	435.90	N.A.	77.10
20-40	189.04	N.A.	33.40
20-50	203.07	N.A.	35.90
40-70	37.07	N.A.	6.60
60-80	11.09	N.A.	2.00
70-80	1.41	N.A.	0.20
80-90	0.58	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	565.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.72
10-20	207.80
20-30	140.15
30-40	48.88
40-50	14.04
50-60	13.36
60-70	9.67
70-80	1.41
80-90	0.58
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

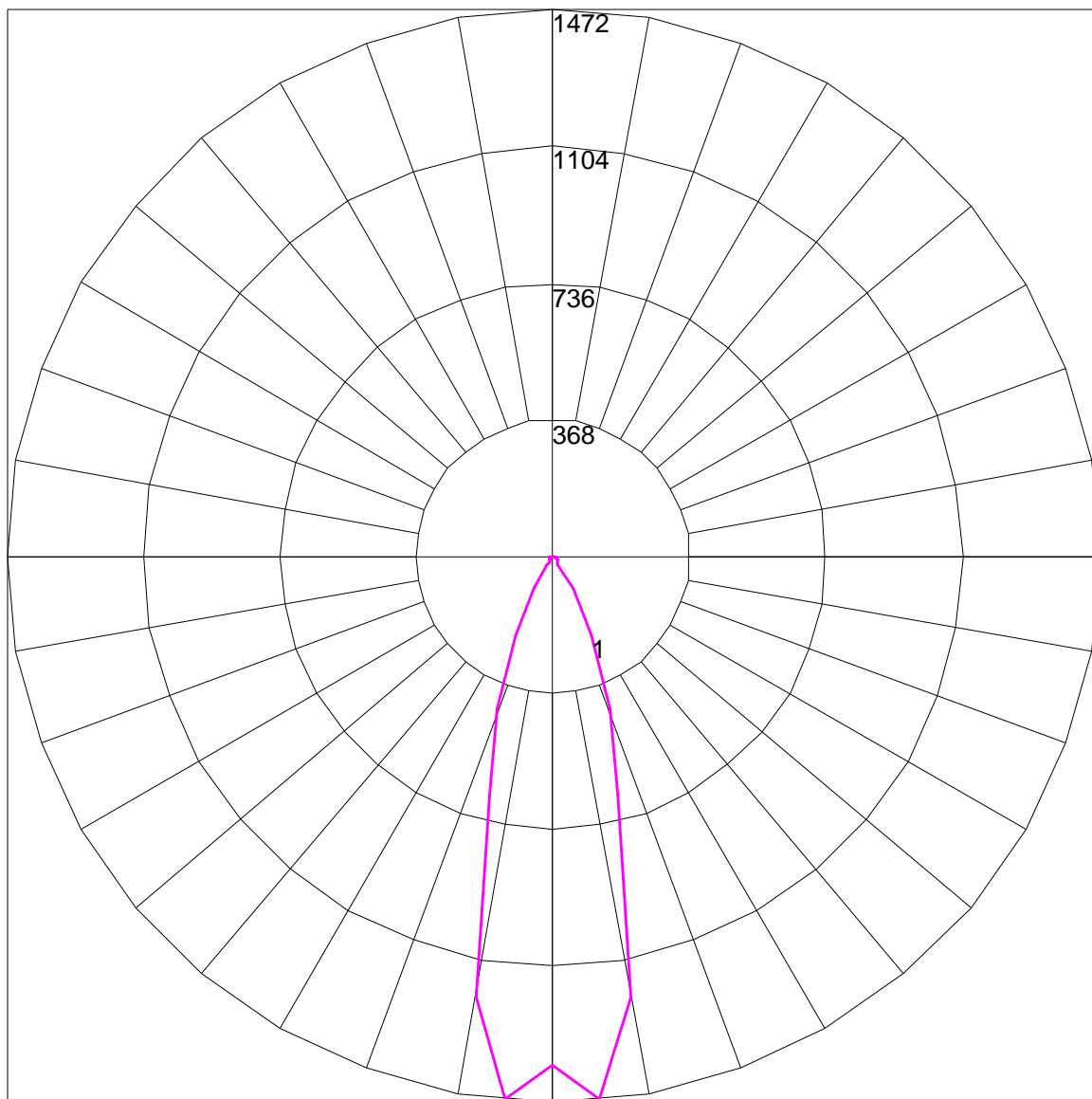
Effective Floor Cavity Reflectance 0.20

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

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POLAR GRAPH



Maximum Candela = 1471.794 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)