

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_35 ~ SS3DMX-XT13LE1-SDD3X-XXK-WDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_35_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT13L-E1-SDD3x-xxK-WD-MW-GL
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 48.8 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	969
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	15
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4222	9342	4217
55	2497	3593	2603
65	2541	2614	2724
75	654	693	568
85	1653	1169	863

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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	1406.260	1406.260	1406.260	1406.260	1406.260
5	1367.760	1368.469	1369.673	1375.893	1373.683
10	1265.191	1275.259	1279.963	1288.349	1274.825
15	1078.743	1107.853	1123.274	1119.208	1088.165
20	853.457	901.839	914.077	906.667	862.971
25	597.410	663.460	708.926	664.422	599.425
30	369.385	429.745	503.780	428.086	366.382
35	209.277	244.759	303.451	237.898	208.398
40	89.715	125.007	150.168	123.716	83.613
45	27.109	38.641	59.989	32.723	27.078
50	19.415	24.297	25.988	22.073	20.262
55	13.006	16.079	18.715	15.983	13.557
60	11.575	12.863	11.185	12.474	10.634
65	9.751	14.189	10.031	12.527	10.454
70	3.531	6.332	5.810	6.341	3.764
75	1.536	1.394	1.628	1.173	1.336
80	1.053	1.337	0.976	0.985	0.742
85	1.308	0.498	0.925	0.978	0.683
90	0.649	0.433	0.631	0.178	0.861

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Zone	Lumens	%Lamp	%Fixt
0-20	434.70	N.A.	44.90
0-30	735.78	N.A.	76.00
0-40	897.83	N.A.	92.70
0-60	955.25	N.A.	98.60
0-80	967.83	N.A.	99.90
0-90	968.71	N.A.	100.00
10-90	840.73	N.A.	86.80
20-40	463.13	N.A.	47.80
20-50	505.60	N.A.	52.20
40-70	67.53	N.A.	7.00
60-80	12.58	N.A.	1.30
70-80	2.47	N.A.	0.30
80-90	0.88	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	968.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.99
10-20	306.71
20-30	301.08
30-40	162.05
40-50	42.47
50-60	14.95
60-70	10.11
70-80	2.47
80-90	0.88
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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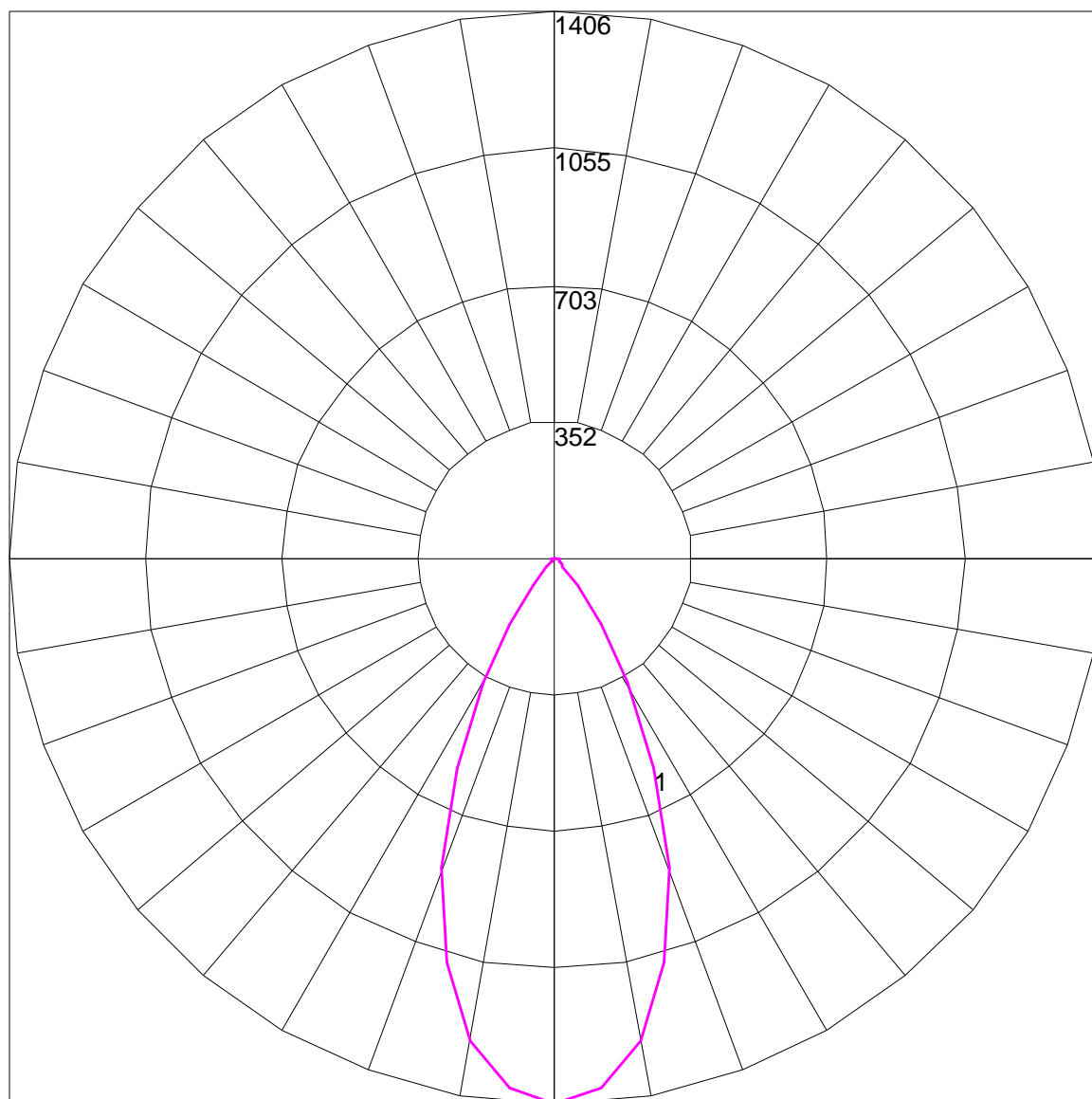
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 1406.26 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)