

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT13LE1-SDD3X-XXK-WDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_34_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/17/2017
[UPDATE] 5/2/2017
[LUMCAT] SS3DMx-XT13L-E1-SDD3x-xxK-WD-MW-SO
[LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 49.1 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	865
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.78
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_34 ~ SS3DMX-XT13LE1-SDD3X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4366	10887	4366
55	3074	4525	3074
65	1526	2492	1526
75	367	628	367
85	0	1151	0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT13LE1-SDD3X-XXK-WDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1387.376	1387.376	1387.376	1387.376	1387.376
5	1317.912	1332.909	1352.924	1332.909	1317.912
10	1169.990	1202.153	1246.318	1202.153	1169.990
15	963.339	1014.732	1083.062	1014.732	963.339
20	719.887	792.631	884.654	792.631	719.887
25	477.102	555.453	671.916	555.453	477.102
30	282.017	347.636	464.350	347.636	282.017
35	143.911	190.502	281.258	190.502	143.911
40	60.249	87.771	146.517	87.771	60.249
45	28.036	39.191	69.906	39.191	28.036
50	20.638	23.929	36.945	23.929	20.638
55	16.013	19.750	23.568	19.750	16.013
60	12.988	14.806	15.740	14.806	12.988
65	5.855	8.815	9.565	8.815	5.855
70	1.082	2.127	3.767	2.127	1.082
75	0.862	1.303	1.476	1.303	0.862
80	0.784	0.970	0.998	0.970	0.784
85	0.000	0.000	0.911	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT13LE1-SDD3X-XXK-WDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	405.01	N.A.	46.80
0-30	665.01	N.A.	76.80
0-40	797.33	N.A.	92.10
0-60	855.40	N.A.	98.80
0-80	865.12	N.A.	100.00
0-90	865.49	N.A.	100.00
10-90	742.12	N.A.	85.70
20-40	392.33	N.A.	45.30
20-50	432.42	N.A.	50.00
40-70	66.29	N.A.	7.70
60-80	9.72	N.A.	1.10
70-80	1.50	N.A.	0.20
80-90	0.38	N.A.	0.00
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	865.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.37
10-20	281.63
20-30	260.00
30-40	132.32
40-50	40.09
50-60	17.97
60-70	8.22
70-80	1.50
80-90	0.38
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT13LE1-SDD3X-XXK-WDMWSO.IES

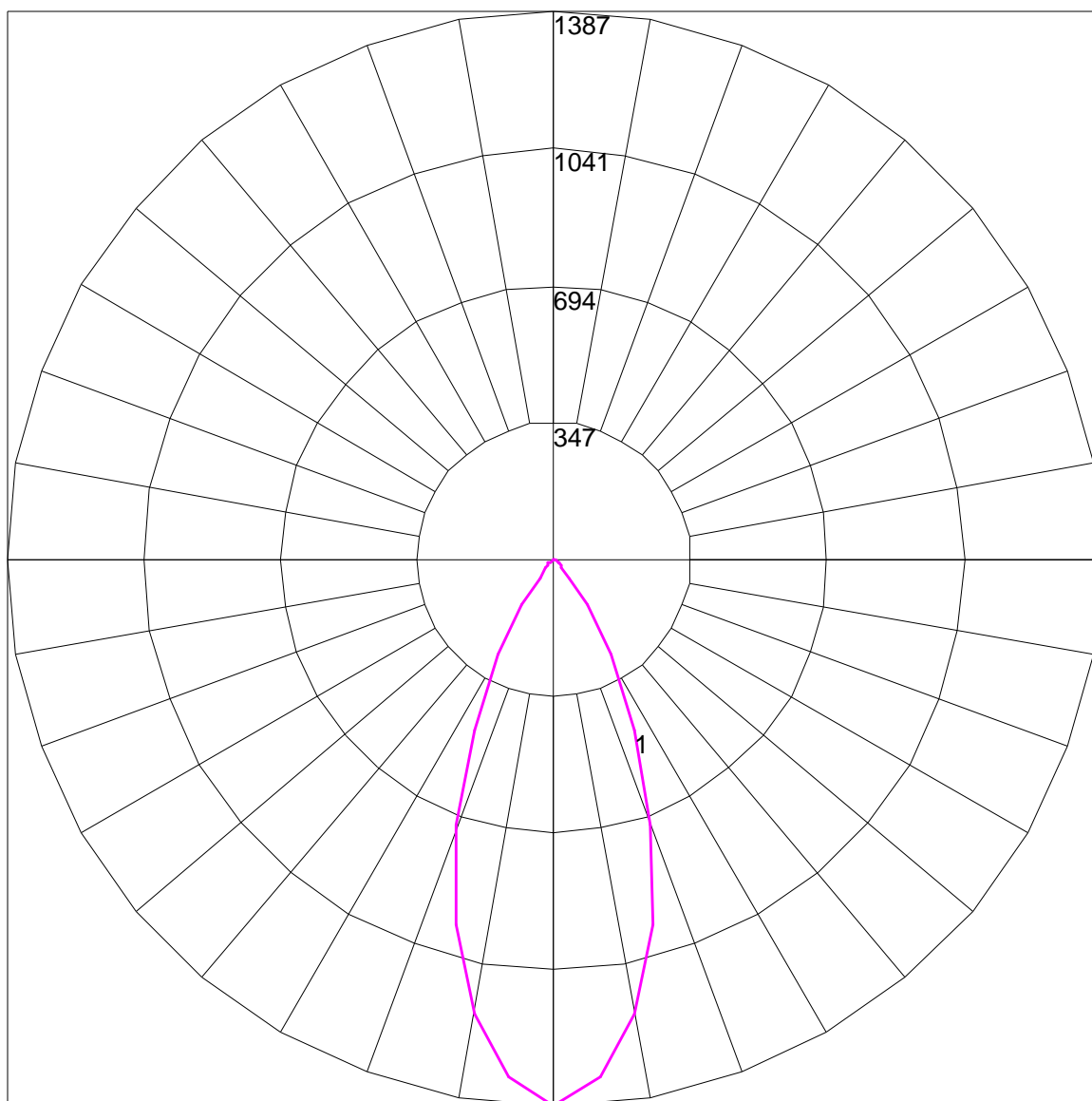
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	81	78	74	80	77	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT13LE1-SDD3X-XXK-WDMWSO.IES

POLAR GRAPH



Maximum Candela = 1387.376 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)