

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_30 ~ SS3DMX-XT10LE1-SDD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_30_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/17/2017

[UPDATE] 5/1/2017

[LUMCAT] SS3DMx-XT10L-E1-SDD3x-xxK-MD-MW-NL

[LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Medium Beam

[OTHER] Matte White Trim, No Lens

[OTHER] 41.3 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	643
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.70
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	2045	2753	2045
55	854	1581	854
65	566	820	566
75	388	215	388
85	606	596	606

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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	1340.546	1340.546	1340.546	1340.546	1340.546
5	1289.261	1302.246	1317.514	1302.246	1289.261
10	1116.394	1155.610	1193.871	1155.610	1116.394
15	873.290	935.603	986.350	935.603	873.290
20	617.165	694.926	739.440	694.926	617.165
25	331.091	431.579	524.589	431.579	331.091
30	105.047	181.898	299.326	181.898	105.047
35	21.635	43.314	110.564	43.314	21.635
40	16.831	16.265	30.452	16.265	16.831
45	13.133	13.754	17.676	13.754	13.133
50	8.275	10.044	14.020	10.044	8.275
55	4.448	5.968	8.233	5.968	4.448
60	3.230	3.789	3.938	3.789	3.230
65	2.171	3.029	3.146	3.029	2.171
70	0.920	0.946	1.325	0.946	0.920
75	0.913	0.604	0.506	0.604	0.913
80	0.545	0.493	0.535	0.493	0.545
85	0.480	0.409	0.472	0.409	0.480
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	376.86	N.A.	58.70
0-30	572.62	N.A.	89.10
0-40	621.41	N.A.	96.70
0-60	638.81	N.A.	99.40
0-80	642.14	N.A.	99.90
0-90	642.52	N.A.	100.00
10-90	522.98	N.A.	81.40
20-40	244.56	N.A.	38.10
20-50	256.04	N.A.	39.80
40-70	19.97	N.A.	3.10
60-80	3.33	N.A.	0.50
70-80	0.76	N.A.	0.10
80-90	0.38	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	642.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.54
10-20	257.32
20-30	195.76
30-40	48.79
40-50	11.48
50-60	5.92
60-70	2.57
70-80	0.76
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

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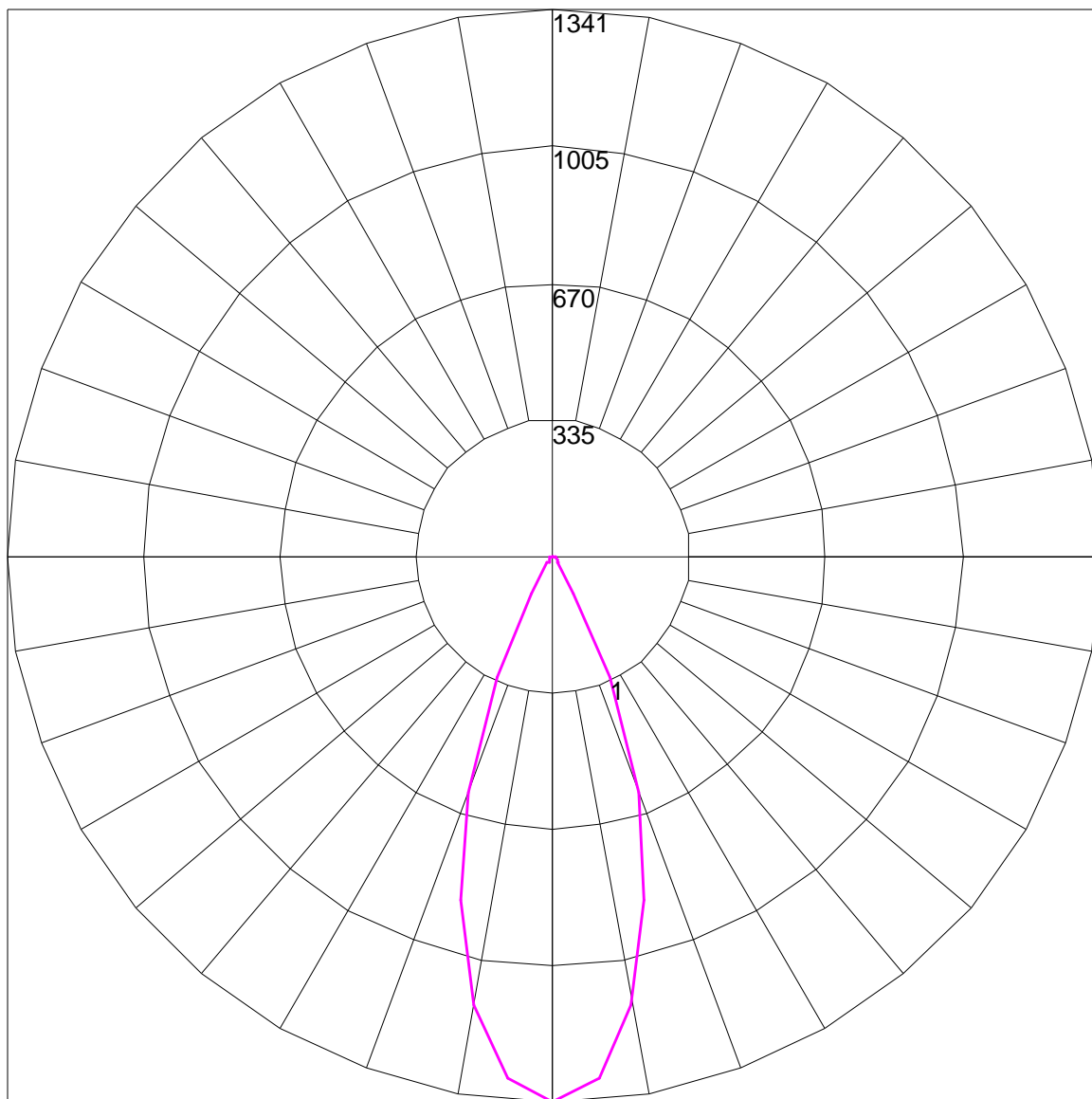
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95
2	109	105	102	99	107	104	100	98	100	98	96	97	95	94	95	93	92	90
3	105	99	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86
4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	87	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	79	84	81	79	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	78	75	74
7	89	82	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70
8	86	78	73	69	85	77	73	69	76	72	69	76	72	69	75	71	69	67
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62

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POLAR GRAPH



Maximum Candela = 1340.546 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)