

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_30 ~ SS3DMX-XT13LE1-SDD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_30_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/17/2017

[UPDATE] 5/1/2017

[LUMCAT] SS3DMx-XT13L-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	866
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)	0.62
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	2755	3708	2755
55	1150	2129	1150
65	762	1105	762
75	523	290	523
85	817	804	817

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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	1805.916	1805.916	1805.916	1805.916	1805.916
5	1736.828	1754.321	1774.890	1754.321	1736.828
10	1503.950	1556.780	1608.324	1556.780	1503.950
15	1176.453	1260.398	1328.762	1260.398	1176.453
20	831.414	936.170	996.137	936.170	831.414
25	446.029	581.402	706.700	581.402	446.029
30	141.514	245.043	403.237	245.043	141.514
35	29.146	58.350	148.947	58.350	29.146
40	22.673	21.911	41.023	21.911	22.673
45	17.692	18.528	23.812	18.528	17.692
50	11.148	13.530	18.886	13.530	11.148
55	5.992	8.040	11.091	8.040	5.992
60	4.351	5.104	5.305	5.104	4.351
65	2.924	4.080	4.239	4.080	2.924
70	1.240	1.275	1.785	1.275	1.240
75	1.230	0.814	0.681	0.814	1.230
80	0.734	0.664	0.721	0.664	0.734
85	0.647	0.551	0.636	0.551	0.647
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	507.68	N.A.	58.70
0-30	771.41	N.A.	89.10
0-40	837.14	N.A.	96.70
0-60	860.57	N.A.	99.40
0-80	865.05	N.A.	99.90
0-90	865.57	N.A.	100.00
10-90	704.53	N.A.	81.40
20-40	329.45	N.A.	38.10
20-50	344.92	N.A.	39.80
40-70	26.90	N.A.	3.10
60-80	4.48	N.A.	0.50
70-80	1.02	N.A.	0.10
80-90	0.51	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	865.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.04
10-20	346.65
20-30	263.72
30-40	65.73
40-50	15.47
50-60	7.97
60-70	3.46
70-80	1.02
80-90	0.51
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

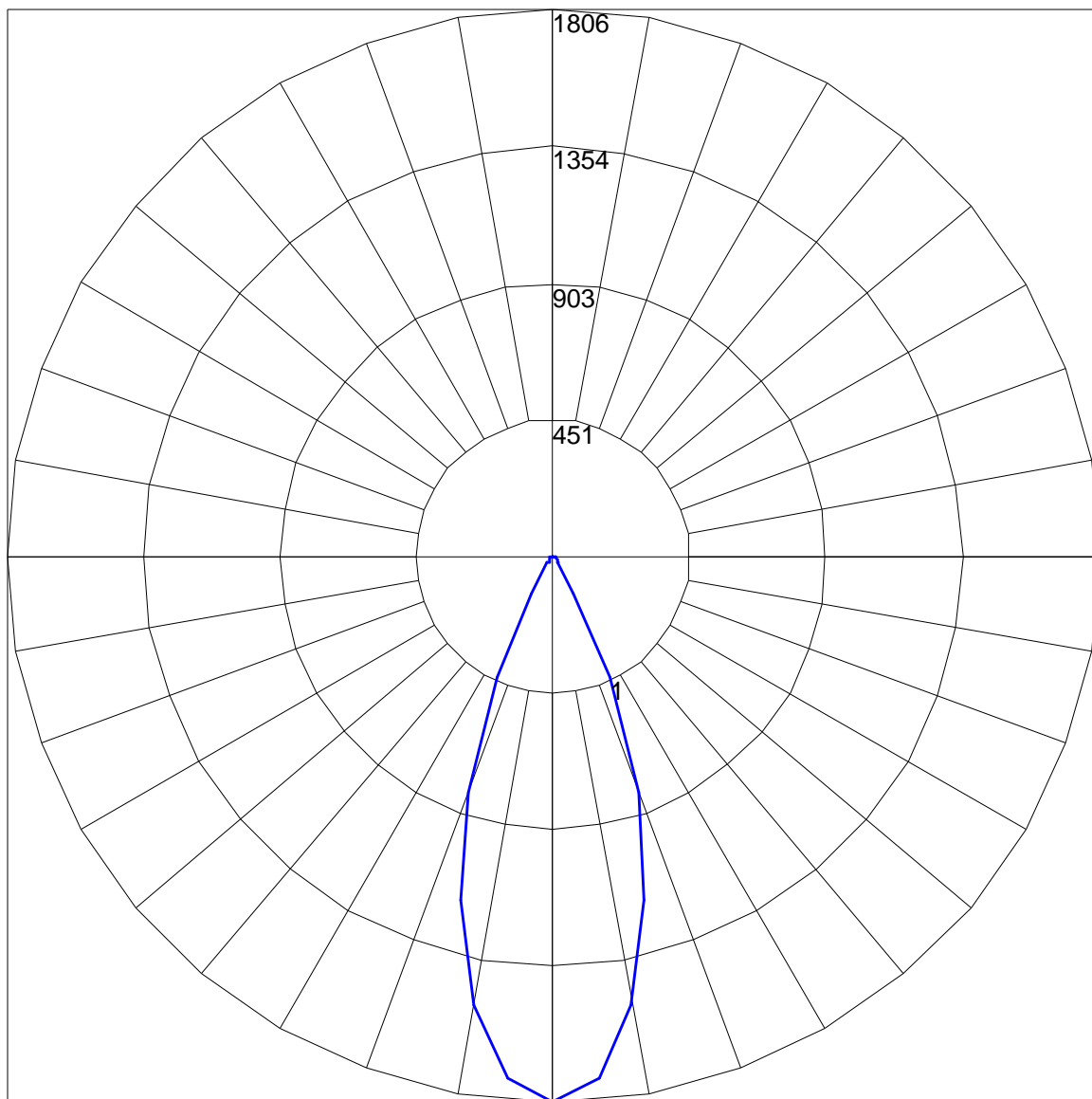
Effective Floor Cavity Reflectance 0.20

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	110	105	102	99	107	104	100	98	100	98	96	97	95	94	95	93	92	90
3	105	100	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	88	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	77	83	79	76	82	78	76	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	70	66	73	69	66	73	69	66	72	68	66	65
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 = 1805.916 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)