

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_19 ~ SS3MX-XT30LE1-SD3X-XXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_19_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/17/2017
[UPDATE] 5/8/2017
[LUMCAT] SS3Mx-XT30L-E1-SD3x-MD-MW-SO
[LUMINAIRE] Nom. 3" Square Downlight, Medium Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 41.5 Degree Beam Angle
[LAMP] N/A
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] For New Construction Non-IC Housing: SS3MO-XT-series
[OTHER] For Remodel/Retrofit Housing: SS3MR-XT-Series
[OTHER] For SD3F or SD3N 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	2056
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.66
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	12012	14033	11028
55	9038	8427	7725
65	5584	6310	5516
75	4303	4541	2905
85	2513	2631	2394

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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	4212.306	4212.306	4212.306	4212.306	4212.306
5	4058.521	4034.325	3945.343	4064.136	4218.573
10	3597.861	3604.728	3503.050	3286.664	3753.243
15	2900.552	2941.002	2841.159	2602.182	2908.200
20	2116.421	2190.303	2077.744	1829.850	1983.476
25	1257.927	1414.907	1362.473	1053.124	1122.656
30	532.124	702.045	746.840	474.661	523.581
35	181.374	267.320	339.987	196.894	227.448
40	102.227	117.281	152.758	99.837	112.165
45	77.133	77.111	90.111	70.200	70.817
50	57.404	58.686	61.389	54.330	54.761
55	47.078	43.157	43.892	40.093	40.237
60	29.995	33.053	30.708	29.354	29.661
65	21.430	23.989	24.216	21.355	21.168
70	14.919	16.788	16.320	15.027	13.059
75	10.113	10.971	10.672	9.759	6.828
80	5.519	6.417	6.242	4.237	4.206
85	1.989	2.679	2.082	1.750	1.895
90	1.663	2.130	1.587	2.199	2.094

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Zone	Lumens	%Lamp	%Fixt
0-20	1145.8	N.A.	55.70
0-30	1727.49	N.A.	84.00
0-40	1916.84	N.A.	93.20
0-60	2019.5	N.A.	98.20
0-80	2052.96	N.A.	99.80
0-90	2056.13	N.A.	100.00
10-90	1686.85	N.A.	82.00
20-40	771.04	N.A.	37.50
20-50	834.91	N.A.	40.60
40-70	125.34	N.A.	6.10
60-80	33.47	N.A.	1.60
70-80	10.79	N.A.	0.50
80-90	3.16	N.A.	0.20
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	2056.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	369.28
10-20	776.53
20-30	581.69
30-40	189.35
40-50	63.87
50-60	38.79
60-70	22.68
70-80	10.79
80-90	3.16
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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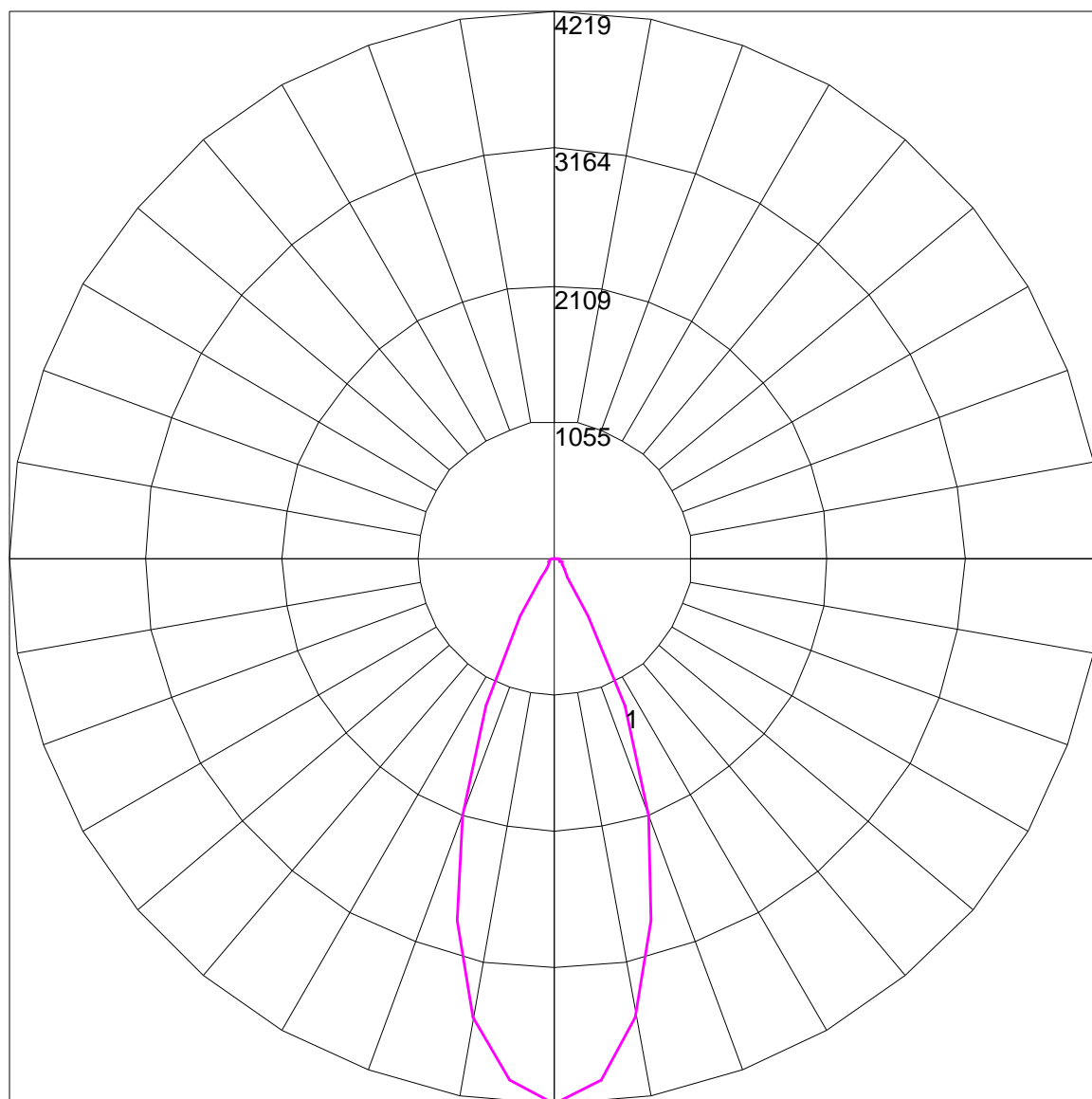
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	92	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59

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POLAR GRAPH



Maximum Candela = 4218.573 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)