

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_8 ~ SS4MX-XT30LE1-SDD4X-XXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.8_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/21/2017
[UPDATE] 4/20/2017
[LUMCAT] SS4MRx-XT30L-E1-SDD4x-xxK-MD-MW-SO
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 29.7 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: SS4MO-XT-series
[OTHER] For Remodel/Retrofit Housing: SS4MR-XT-Series
[OTHER] For SDD4F or SDD4N Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1934
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.50
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.54
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	31120	47571	31303
55	21284	29676	22568
65	13619	13759	13321
75	3024	3798	2383
85	4573	3777	2867

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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	4868.598	4868.598	4868.598	4868.598	4868.598
5	4522.202	4548.798	4498.274	4542.764	4483.409
10	3509.220	3569.351	3484.172	3536.797	3473.263
15	2404.867	2458.242	2391.265	2417.437	2376.921
20	1547.498	1612.381	1581.154	1574.350	1528.108
25	945.078	1041.069	1058.267	1007.605	934.047
30	518.205	621.474	688.338	592.075	503.158
35	253.465	330.224	401.668	302.434	238.482
40	126.554	168.066	210.513	152.287	120.354
45	80.221	101.388	122.629	95.262	80.693
50	59.421	70.945	86.317	69.147	62.469
55	44.505	50.738	62.054	50.519	47.191
60	33.326	35.092	39.216	36.676	32.748
65	20.983	23.407	21.198	24.281	20.524
70	10.316	12.818	9.540	13.802	11.326
75	2.853	4.361	3.584	3.640	2.248
80	1.346	1.417	1.327	1.837	1.778
85	1.453	0.769	1.200	1.296	0.911
90	0.868	0.579	1.177	0.415	0.690

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Zone	Lumens	%Lamp	%Fixt
0-20	1080.97	N.A.	55.90
0-30	1556.76	N.A.	80.50
0-40	1773.41	N.A.	91.70
0-60	1904.31	N.A.	98.50
0-80	1932.51	N.A.	99.90
0-90	1933.73	N.A.	100.00
10-90	1533.71	N.A.	79.30
20-40	692.43	N.A.	35.80
20-50	775.93	N.A.	40.10
40-70	153.75	N.A.	8.00
60-80	28.20	N.A.	1.50
70-80	5.35	N.A.	0.30
80-90	1.23	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	1933.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	400.02
10-20	680.96
20-30	475.79
30-40	216.64
40-50	83.50
50-60	47.40
60-70	22.85
70-80	5.35
80-90	1.23
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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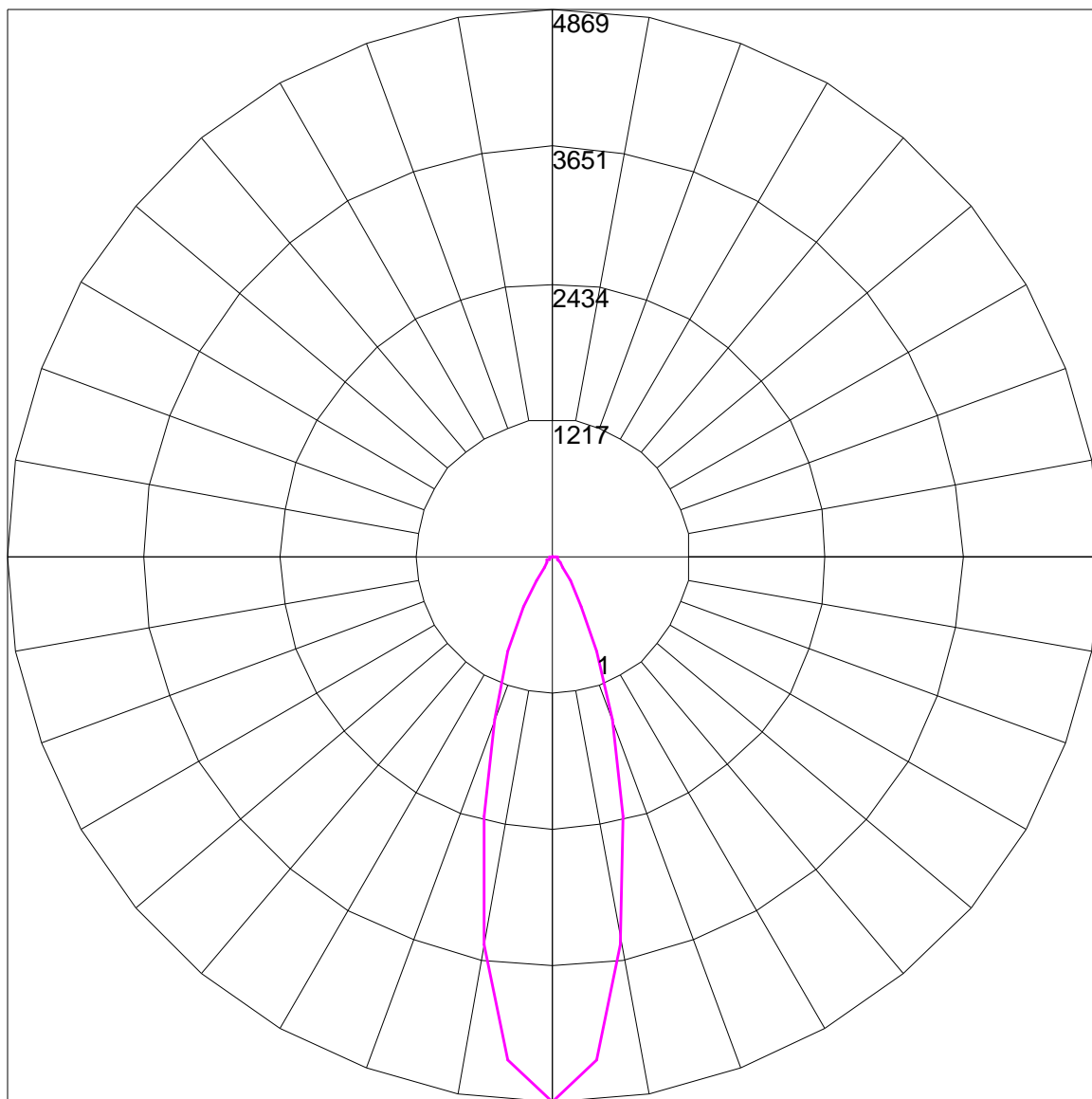
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	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	83	90	86	82	88	84	81	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	79	74	70	86	79	74	70	78	73	70	76	72	69	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	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 = 4868.598 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)