

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_6 ~ SS4MX-XT30LE1-SDD4X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.6_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-NL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, No lens
[OTHER] 27.5 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: 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	2207
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
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	15423	25657	15818
55	26347	27365	27167
65	9929	11378	10121
75	3205	1682	3589
85	4926	5294	4793

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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	6369.434	6369.434	6369.434	6369.434	6369.434
5	5813.488	5857.643	5791.512	5843.460	5783.597
10	4324.241	4387.537	4295.427	4361.232	4290.306
15	2795.343	2845.532	2766.275	2809.191	2755.304
20	1746.310	1788.915	1740.039	1751.706	1705.245
25	1129.536	1228.508	1173.301	1186.788	1086.295
30	596.606	771.871	871.897	724.090	565.525
35	192.898	306.674	545.241	276.307	185.496
40	52.004	67.694	202.268	66.435	52.481
45	39.758	44.999	66.138	47.034	40.776
50	48.722	53.060	59.077	51.419	49.789
55	55.093	58.670	57.221	57.775	56.807
60	38.595	45.981	42.699	41.795	39.346
65	15.298	21.550	17.530	19.806	15.593
70	7.008	8.862	4.152	7.399	9.606
75	3.024	6.216	1.587	5.229	3.386
80	1.562	2.286	1.896	1.745	1.911
85	1.565	1.696	1.682	1.787	1.523
90	0.888	0.804	0.609	1.152	0.803

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Zone	Lumens	%Lamp	%Fixt
0-20	1307.63	N.A.	59.20
0-30	1856.37	N.A.	84.10
0-40	2084.6	N.A.	94.40
0-60	2179.66	N.A.	98.80
0-80	2205.53	N.A.	99.90
0-90	2207.2	N.A.	100.00
10-90	1697.97	N.A.	76.90
20-40	776.96	N.A.	35.20
20-50	824.91	N.A.	37.40
40-70	116.40	N.A.	5.30
60-80	25.88	N.A.	1.20
70-80	4.54	N.A.	0.20
80-90	1.67	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	2207.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	509.23
10-20	798.40
20-30	548.74
30-40	228.22
40-50	47.95
50-60	47.11
60-70	21.34
70-80	4.54
80-90	1.67
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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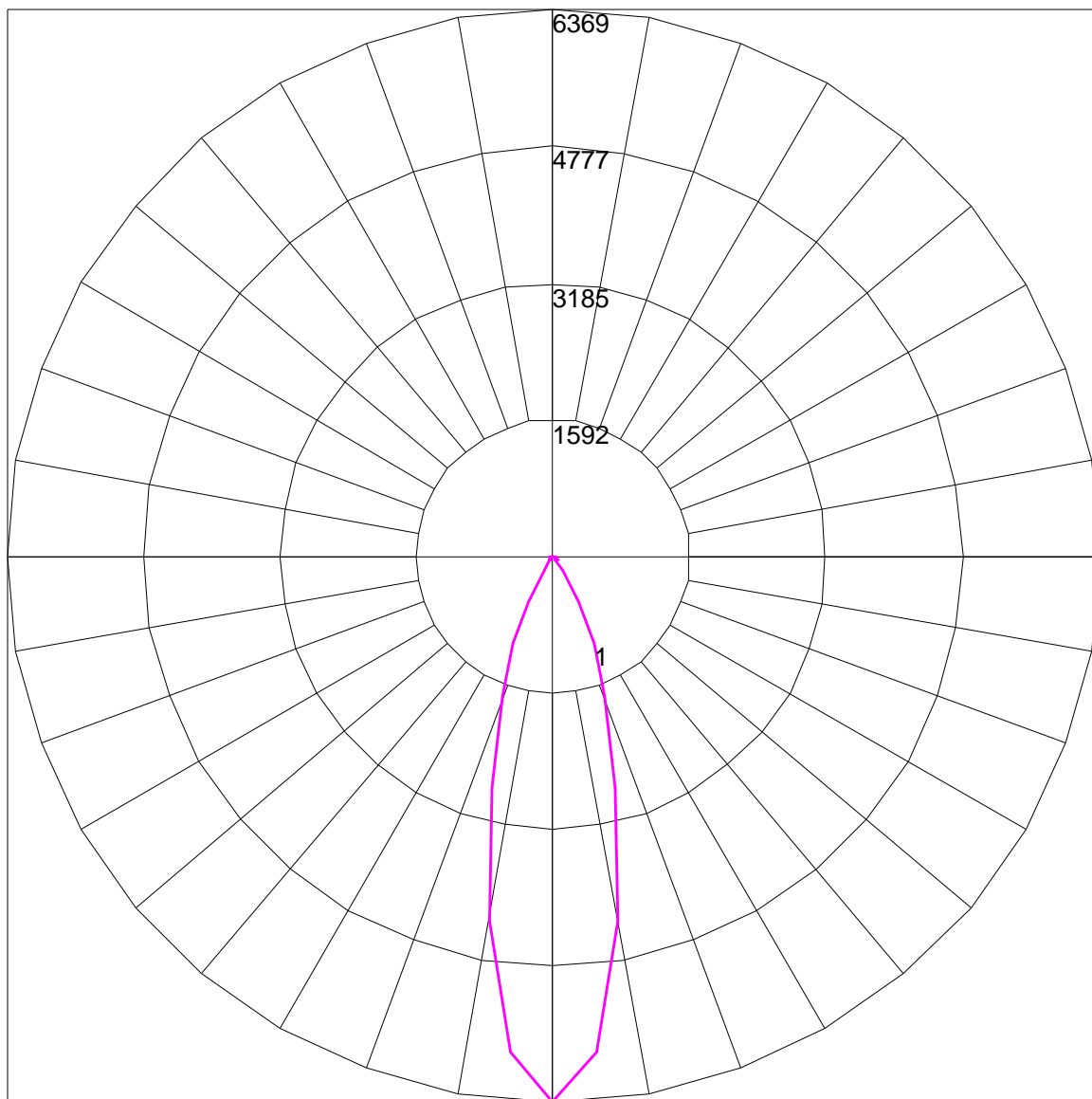
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 6369.434 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)