

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_7 ~ SS4MX-XT30LE1-SDD4X-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.7_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-GL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, Clear glass lens
[OTHER] 27.1 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	2021
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
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	21877	31860	22564
55	29169	34786	29825
65	8882	11606	11354
75	2635	2556	4370
85	3497	3660	2795

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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	5784.015	5784.015	5784.015	5784.015	5784.015
5	5242.239	5334.670	5280.430	5355.963	5272.174
10	3870.055	3963.322	3876.877	3971.614	3887.346
15	2493.110	2546.295	2482.830	2552.800	2494.974
20	1565.127	1608.253	1559.523	1596.181	1546.040
25	996.757	1096.013	1052.140	1069.409	974.006
30	500.512	668.219	787.739	639.429	486.960
35	165.677	275.133	480.456	261.937	160.959
40	65.613	84.353	187.151	83.073	64.786
45	56.395	65.250	82.128	66.597	58.166
50	62.247	69.480	79.547	70.839	63.208
55	60.993	65.632	72.739	66.135	62.365
60	37.671	43.147	45.324	42.205	40.037
65	13.685	19.597	17.881	20.082	17.493
70	7.767	8.389	6.121	8.559	8.227
75	2.486	5.077	2.412	4.388	4.123
80	1.551	2.160	1.092	1.528	1.858
85	1.111	1.045	1.163	1.571	0.888
90	0.742	0.363	1.166	0.293	1.110

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Zone	Lumens	%Lamp	%Fixt
0-20	1182.68	N.A.	58.50
0-30	1673.47	N.A.	82.80
0-40	1879.02	N.A.	93.00
0-60	1994.00	N.A.	98.70
0-80	2019.82	N.A.	99.90
0-90	2021.1	N.A.	100.00
10-90	1558.33	N.A.	77.10
20-40	696.34	N.A.	34.50
20-50	756.31	N.A.	37.40
40-70	136.32	N.A.	6.70
60-80	25.82	N.A.	1.30
70-80	4.47	N.A.	0.20
80-90	1.28	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	2021.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	462.77
10-20	719.92
20-30	490.79
30-40	205.55
40-50	59.97
50-60	55.01
60-70	21.35
70-80	4.47
80-90	1.28
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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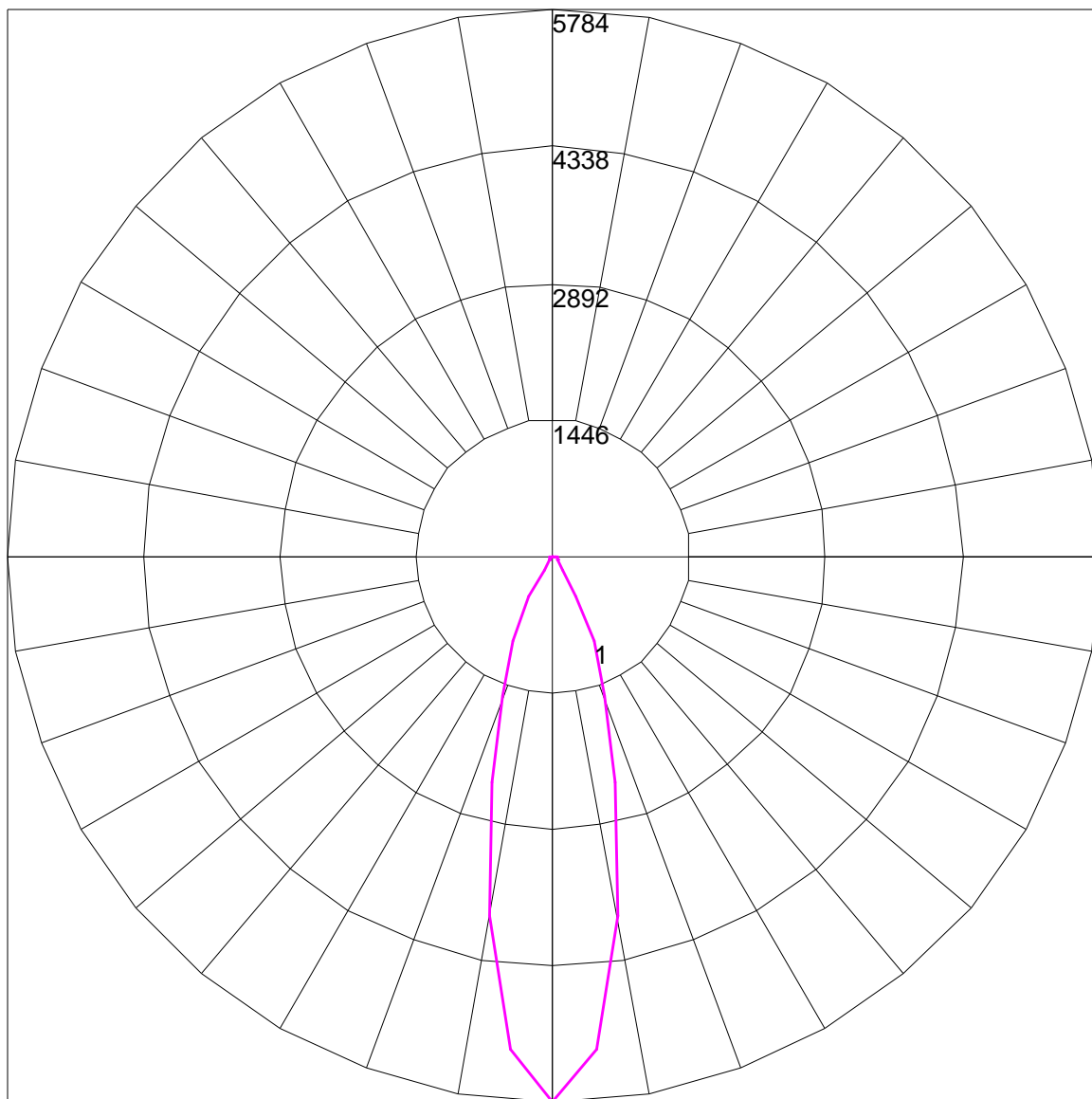
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	94	89	85	98	92	88	84	90	87	83	88	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	85	79	76	91	84	79	75	82	78	75	81	77	74	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	69
8	85	77	72	69	84	77	72	68	76	71	68	75	71	68	74	70	68	66
9	82	74	69	66	81	74	69	66	73	68	65	72	68	65	71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	63	69	65	62	61

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POLAR GRAPH



Maximum Candela = 5784.015 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)