

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_9 ~ SS4MX-XT30LE1-SDD4X-XXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00547.9_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/21/2017
[UPDATE] 4/26/2017
[LUMCAT] SS4MRx-XT30L-E1-SDD4x-xxK-WD-MW-NL
[LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, No lens
[OTHER] 35.4 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	2294
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.56
Spacing Criterion (Diagonal)	0.64
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	23218	26975	23648
55	18555	21331	17987
65	6781	6263	5993
75	2246	2811	1979
85	3459	4649	3903

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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	4967.028	4967.028	4967.028	4967.028	4967.028
5	4691.523	4731.626	4702.729	4714.810	4661.711
10	3920.821	4042.643	4017.360	3990.285	3861.365
15	2950.404	3115.920	3091.220	3038.959	2887.086
20	2089.814	2210.175	2169.863	2160.640	2041.714
25	1355.931	1485.115	1452.231	1438.072	1306.510
30	679.909	870.733	970.092	797.656	623.020
35	217.437	360.583	554.371	294.093	191.066
40	70.347	110.092	209.700	82.266	70.050
45	59.853	58.021	69.537	61.290	60.961
50	51.928	51.271	50.314	53.159	51.646
55	38.798	41.757	44.603	39.538	37.612
60	20.962	26.488	29.366	24.586	19.241
65	10.447	11.461	9.650	11.167	9.233
70	10.585	8.150	3.869	9.258	9.885
75	2.119	4.208	2.652	3.478	1.867
80	1.182	0.904	1.173	1.532	1.278
85	1.099	1.654	1.477	1.053	1.240
90	1.024	0.378	0.983	0.599	1.227

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Zone	Lumens	%Lamp	%Fixt
0-20	1271.35	N.A.	55.40
0-30	1931.27	N.A.	84.20
0-40	2183.07	N.A.	95.20
0-60	2274.93	N.A.	99.20
0-80	2292.28	N.A.	99.90
0-90	2293.55	N.A.	100.00
10-90	1866.97	N.A.	81.40
20-40	911.72	N.A.	39.80
20-50	968.14	N.A.	42.20
40-70	105.19	N.A.	4.60
60-80	17.34	N.A.	0.80
70-80	4.01	N.A.	0.20
80-90	1.27	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	2293.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	426.58
10-20	844.77
20-30	659.93
30-40	251.79
40-50	56.42
50-60	35.44
60-70	13.33
70-80	4.01
80-90	1.27
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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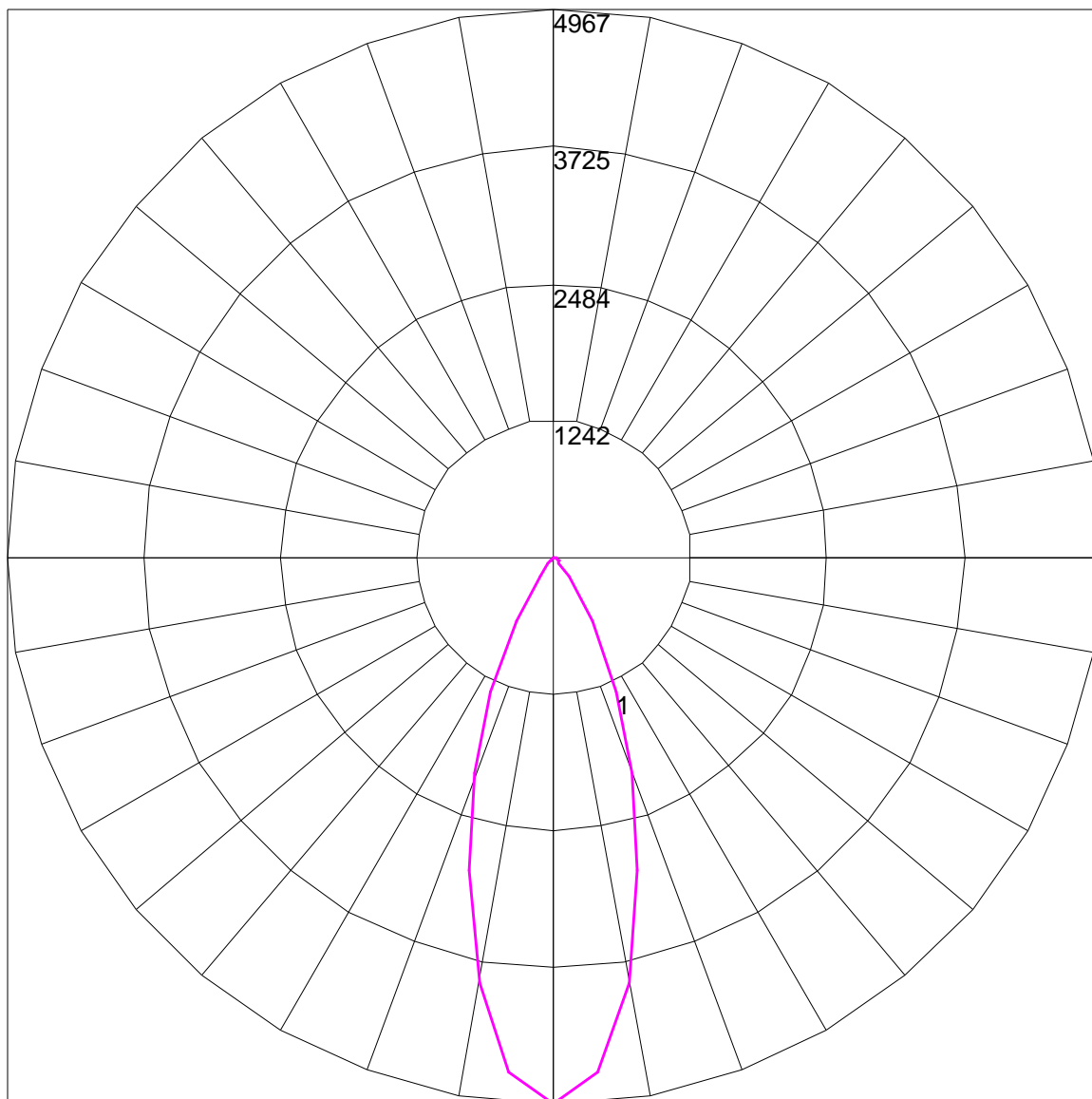
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	85
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	68	84	76	71	68	75	70	67	74	70	67	73	69	67	66
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	64	61	68	64	61	68	64	61	60

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POLAR GRAPH



Maximum Candela = 4967.028 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)