

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_11 ~ SS4MX-XT40LE1-SDD4X-XXK-WDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.11
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT40L-E1-SDD4x-xxK-WD-MW-SO
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 37.2 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2599
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.66
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_11 ~ SS4MX-XT40LE1-SDD4X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	43620	62322	44499
55	24899	32486	26008
65	15637	14677	15454
75	3407	3706	3184
85	8161	7327	4255

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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	5138.213	5138.213	5138.213	5138.213	5138.213
5	4906.830	4926.084	4894.899	4906.179	4869.540
10	4198.702	4246.390	4190.738	4207.311	4141.973
15	3252.565	3332.613	3275.054	3279.198	3194.455
20	2306.570	2408.716	2369.984	2358.872	2260.335
25	1471.975	1592.976	1610.583	1548.078	1432.851
30	818.104	937.059	1013.371	893.701	773.230
35	398.841	488.174	572.334	447.584	362.987
40	194.777	244.044	294.158	222.204	183.960
45	112.445	137.996	160.655	131.452	114.710
50	74.109	87.813	103.864	85.559	78.798
55	52.064	59.377	67.928	59.800	54.383
60	35.701	38.839	41.063	40.484	37.562
65	24.092	24.045	22.613	25.527	23.810
70	12.654	13.452	10.678	15.383	13.205
75	3.215	4.493	3.497	4.572	3.004
80	2.040	2.092	2.210	1.702	2.019
85	2.593	1.791	2.328	1.778	1.352
90	0.961	0.825	1.536	0.957	0.787

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Zone	Lumens	%Lamp	%Fixt
0-20	1353.87	N.A.	52.10
0-30	2075.00	N.A.	79.80
0-40	2396.94	N.A.	92.20
0-60	2566.66	N.A.	98.70
0-80	2597.49	N.A.	99.90
0-90	2599.39	N.A.	100.00
10-90	2153.54	N.A.	82.80
20-40	1043.08	N.A.	40.10
20-50	1157.54	N.A.	44.50
40-70	194.50	N.A.	7.50
60-80	30.83	N.A.	1.20
70-80	6.04	N.A.	0.20
80-90	1.91	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	2599.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	445.85
10-20	908.01
20-30	721.13
30-40	321.95
40-50	114.46
50-60	55.25
60-70	24.79
70-80	6.04
80-90	1.91
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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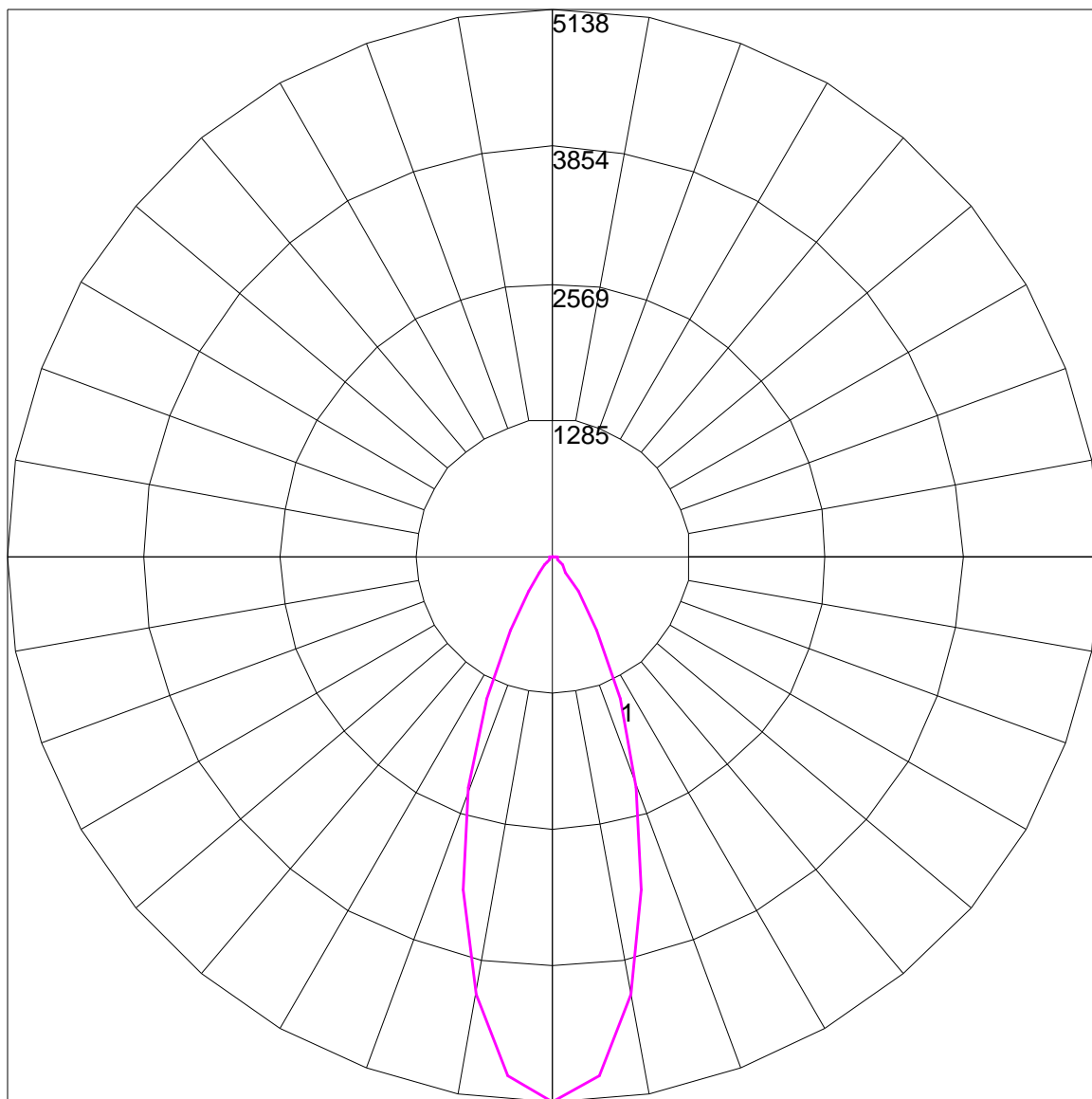
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	77	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	66	62	79	71	65	62	70	65	62	69	65	62	68	64	61	60
10	77	68	63	59	76	68	62	59	67	62	59	66	62	59	65	61	59	57

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POLAR GRAPH



Maximum Candela = 5138.213 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)