

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_10 ~ SS4MX-XT10LE1-SDD4X-XXK-WDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.10_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/21/2017
 [UPDATE] 4/20/2017
 [LUMCAT] SS4MRx-XT10L-E1-SDD4x-xxK-WD-MW-GL
 [LUMINAIRE] Nom. 4" Square Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, Clear glass lens
 [OTHER] 35.8 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 New Construction IC Rated Housing: SS4MI-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	681
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_10 ~ SS4MX-XT10LE1-SDD4X-XXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9844	11219	10076
55	6973	8031	7520
65	2272	2861	2599
75	1118	1021	598
85	1278	1643	1457

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_10 ~ SS4MX-XT10LE1-SDD4X-XXK-WDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1435.480	1435.480	1435.480	1435.480	1435.480
5	1364.382	1377.574	1370.196	1374.125	1363.577
10	1144.993	1175.348	1173.759	1166.582	1136.046
15	861.506	904.482	900.574	892.073	850.390
20	611.519	642.309	629.667	630.905	600.900
25	397.683	436.292	422.340	425.220	389.417
30	196.463	248.852	285.096	236.795	190.010
35	64.378	93.064	166.385	84.304	60.147
40	28.317	32.738	68.215	29.302	28.144
45	25.375	27.024	28.921	26.296	25.973
50	21.122	21.949	21.016	22.052	21.671
55	14.581	16.702	16.793	16.544	15.725
60	7.183	9.309	10.682	9.246	8.402
65	3.500	3.879	4.408	4.401	4.005
70	3.099	2.771	1.501	2.780	3.060
75	1.055	1.291	0.963	1.095	0.564
80	0.423	0.328	0.558	0.426	0.515
85	0.406	0.407	0.522	0.307	0.463
90	0.389	0.385	0.389	0.186	0.301

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Zone	Lumens	%Lamp	%Fixt
0-20	370.90	N.A.	54.40
0-30	564.24	N.A.	82.80
0-40	638.22	N.A.	93.70
0-60	674.52	N.A.	99.00
0-80	680.78	N.A.	99.90
0-90	681.22	N.A.	100.00
10-90	556.96	N.A.	81.80
20-40	267.32	N.A.	39.20
20-50	289.47	N.A.	42.50
40-70	41.23	N.A.	6.10
60-80	6.26	N.A.	0.90
70-80	1.33	N.A.	0.20
80-90	0.44	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	681.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.26
10-20	246.64
20-30	193.34
30-40	73.98
40-50	22.15
50-60	14.15
60-70	4.93
70-80	1.33
80-90	0.44
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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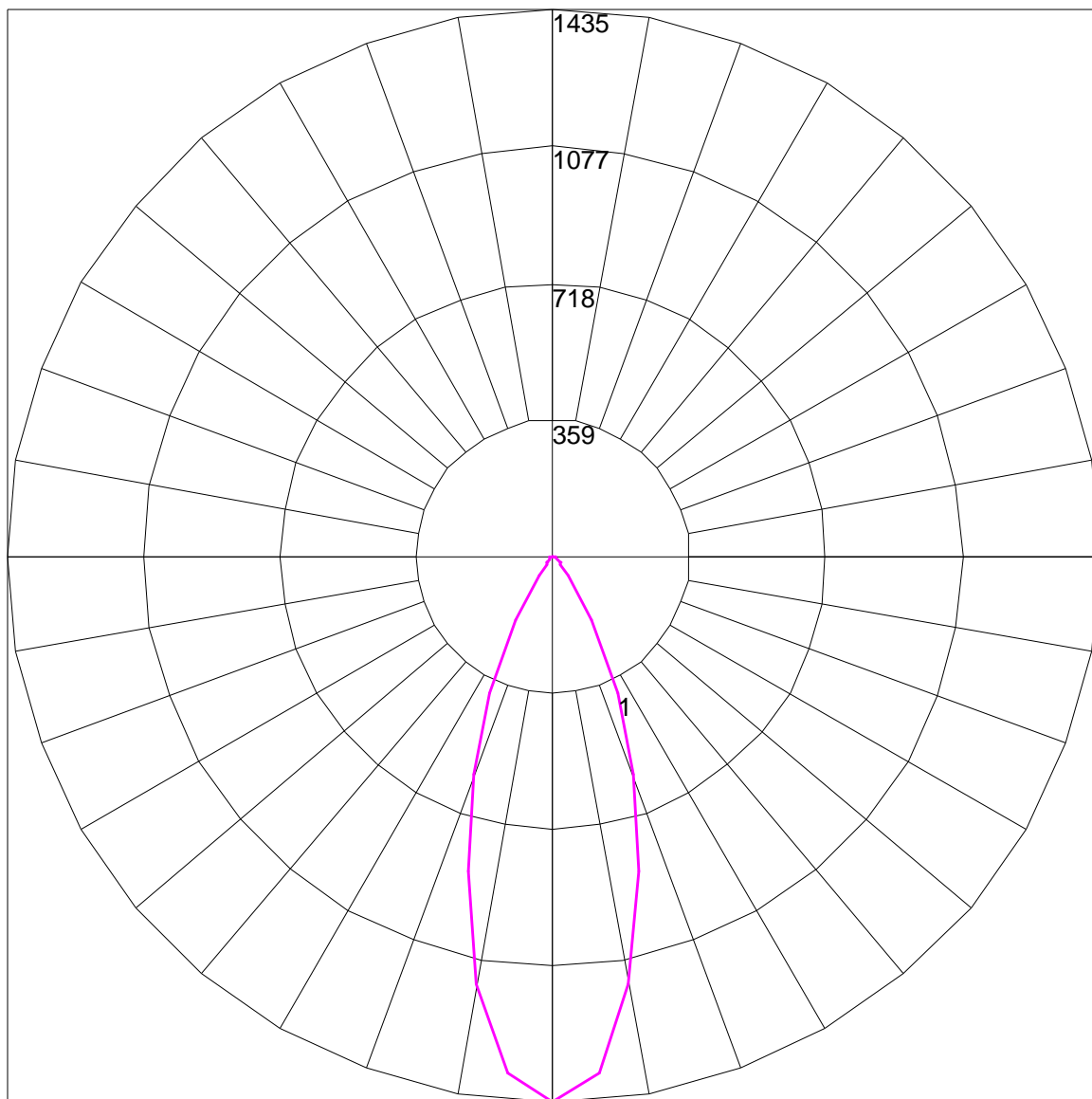
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	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	92	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	92	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	80	74	70	87	79	74	70	78	73	70	77	73	70	75	72	69	68
8	84	76	71	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65
9	81	72	67	64	80	72	67	64	71	67	63	70	66	63	69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59

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POLAR GRAPH



Maximum Candela = 1435.48 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)