

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT10LE1-RDD4X-XXK-WDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00548.11_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/13/2017

[UPDATE] 4/18/2017

[LUMCAT] SR4MRx-XT10L-E1-RDD4x-xxK-WD-MW-SO

[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam

[OTHER] Matte White Trim, Solite lens

[OTHER] 40 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: SR4MO-XT-series

[OTHER] For New Construction IC Rated Housing: SR4MI-XT-series

[OTHER] For Remodel/Retrofit Housing: SR4MR-XT-Series

[OTHER] For RDD4F or RDD4N 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	654
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.68
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.36 ft (Diameter)
Luminous Width (90-270)	0.36 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT10LE1-RDD4X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3148	2951	3071
55	1739	1564	1528
65	1220	1133	957
75	521	409	501
85	728	461	668

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT10LE1-RDD4X-XXK-WDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1197.592	1197.592	1197.592	1197.592	1197.592
5	1141.408	1149.422	1150.724	1164.876	1165.769
10	1000.058	1014.357	1014.600	1041.180	1041.181
15	799.232	817.274	815.426	847.964	844.823
20	585.793	603.713	601.053	630.359	623.399
25	402.792	415.818	411.107	433.637	426.559
30	255.711	263.123	256.206	272.679	266.803
35	131.486	137.607	130.946	142.848	133.897
40	50.827	54.316	51.528	55.727	51.529
45	21.422	22.034	20.078	21.268	20.895
50	12.886	12.658	11.472	12.003	11.803
55	9.601	8.908	8.631	8.304	8.435
60	7.137	6.564	6.423	6.194	5.876
65	4.960	4.612	4.609	4.548	3.894
70	3.356	2.922	2.935	2.772	2.470
75	1.297	1.178	1.019	1.398	1.248
80	0.789	0.853	0.615	0.729	0.684
85	0.611	0.538	0.387	0.560	0.560
90	0.389	0.426	0.348	0.192	0.319

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Zone	Lumens	%Lamp	%Fixt
0-20	333.97	N.A.	51.10
0-30	528.19	N.A.	80.80
0-40	618.56	N.A.	94.60
0-60	647.07	N.A.	99.00
0-80	653.22	N.A.	99.90
0-90	653.79	N.A.	100.00
10-90	547.78	N.A.	83.80
20-40	284.59	N.A.	43.50
20-50	305.07	N.A.	46.70
40-70	33.06	N.A.	5.10
60-80	6.14	N.A.	0.90
70-80	1.59	N.A.	0.20
80-90	0.57	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	653.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.01
10-20	227.96
20-30	194.22
30-40	90.37
40-50	20.48
50-60	8.03
60-70	4.55
70-80	1.59
80-90	0.57
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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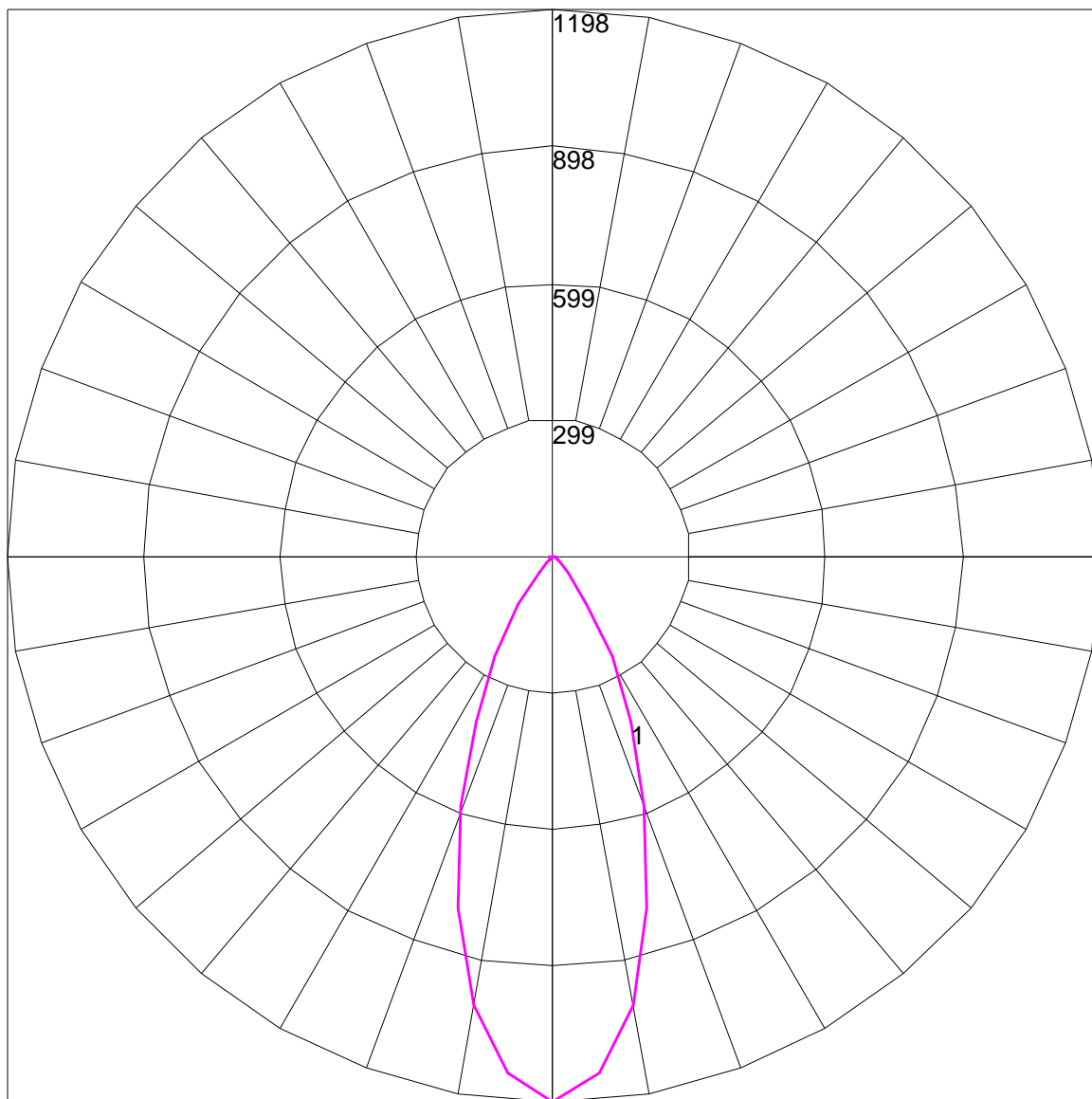
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	57

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POLAR GRAPH



Maximum Candela = 1197.592 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)