

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_10 ~ SR4MX-XT10LE1-RDD4X-XXK-WDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.10_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-GL
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, Glass lens
 [OTHER] 39.2 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: 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	683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.66
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1687	1703	1680
55	1150	1043	1036
65	471	477	377
75	317	351	303
85	438	553	533

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_10 ~ SR4MX-XT10LE1-RDD4X-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	1278.403	1278.403	1278.403	1278.403	1278.403
5	1246.294	1251.139	1246.342	1249.231	1239.696
10	1119.703	1128.791	1120.098	1126.390	1112.598
15	921.372	932.794	920.482	934.519	915.997
20	665.801	672.467	656.502	667.546	646.940
25	433.778	437.556	426.542	432.886	417.529
30	296.679	302.014	293.677	299.689	288.305
35	140.586	144.501	135.415	144.387	131.289
40	18.647	19.064	18.415	19.918	17.914
45	11.479	11.224	11.592	12.138	11.433
50	8.513	8.334	8.494	8.435	8.826
55	6.347	5.914	5.760	6.242	5.718
60	3.155	2.862	2.589	2.752	1.830
65	1.916	1.746	1.941	1.814	1.535
70	1.413	1.604	1.246	1.195	1.236
75	0.789	0.998	0.875	0.797	0.754
80	0.610	0.506	0.487	0.398	0.827
85	0.367	0.453	0.464	0.583	0.447
90	0.240	0.223	0.321	0.144	0.285

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Zone	Lumens	%Lamp	%Fixt
0-20	367.59	N.A.	53.80
0-30	574.40	N.A.	84.00
0-40	665.28	N.A.	97.30
0-60	680.13	N.A.	99.50
0-80	682.97	N.A.	99.90
0-90	683.44	N.A.	100.00
10-90	568.45	N.A.	83.20
20-40	297.69	N.A.	43.60
20-50	307.40	N.A.	45.00
40-70	16.74	N.A.	2.40
60-80	2.83	N.A.	0.40
70-80	0.95	N.A.	0.10
80-90	0.47	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	683.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.99
10-20	252.60
20-30	206.81
30-40	90.88
40-50	9.71
50-60	5.15
60-70	1.89
70-80	0.95
80-90	0.47
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

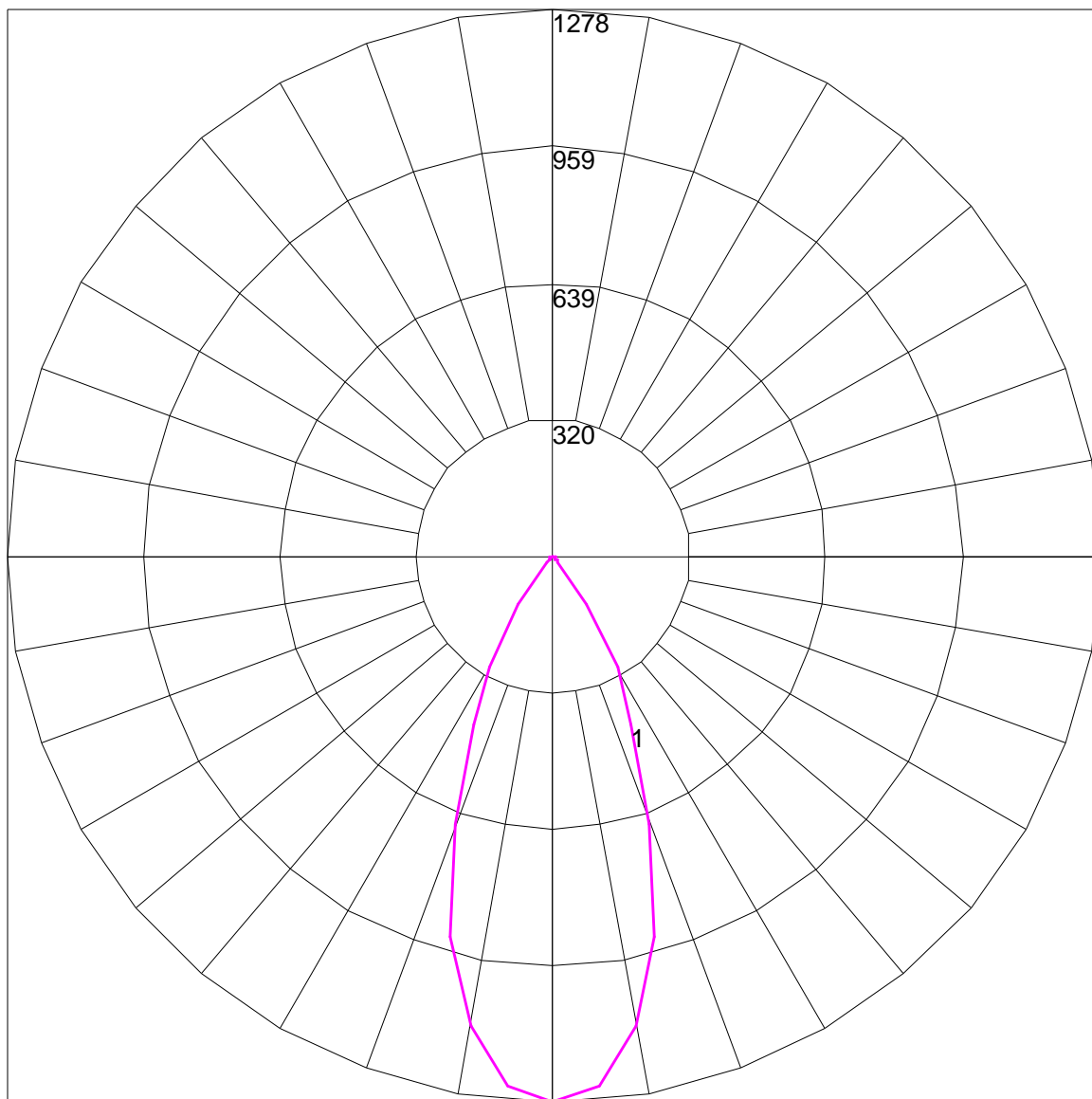
Effective Floor Cavity Reflectance 0.20

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	101	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	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	79	74	71	78	74	70	77	73	70	76	72	70	69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62
10	78	70	65	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59

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POLAR GRAPH



Maximum Candela = 1278.403 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)