

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_12 ~ SR4MX-XT10LE1-RDD4X-XXK-XWMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.12_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT10L-E1-RDD4x-xxK-XW-MW-NL
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile,Xtra Wide Beam
[OTHER] Matte White Trim, No lens
[OTHER] 61.7 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	752
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.92
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	1802	1862	2037
55	292	216	259
65	224	238	277
75	296	272	335
85	573	599	461

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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	852.821	852.821	852.821	852.821	852.821
5	839.571	842.155	842.189	844.290	844.996
10	803.923	808.094	806.705	807.329	803.736
15	757.802	762.252	760.063	758.972	753.568
20	689.344	694.742	690.915	691.200	683.678
25	602.186	606.721	602.927	605.774	599.313
30	476.102	486.684	475.588	487.420	478.025
35	261.346	271.791	262.187	280.918	272.261
40	55.013	59.461	57.986	62.726	60.632
45	12.265	13.581	12.673	14.864	13.859
50	3.518	3.615	3.275	4.069	4.124
55	1.610	1.402	1.190	1.619	1.430
60	1.231	1.328	1.078	1.228	1.308
65	0.913	0.896	0.966	1.165	1.127
70	0.739	0.966	0.749	0.813	0.878
75	0.737	0.713	0.677	0.732	0.834
80	0.542	0.528	0.567	0.610	0.618
85	0.481	0.579	0.502	0.387	0.387
90	0.264	0.256	0.194	0.171	0.345

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Zone	Lumens	%Lamp	%Fixt
0-20	291.65	N.A.	38.80
0-30	564.86	N.A.	75.10
0-40	730.66	N.A.	97.20
0-60	749.40	N.A.	99.70
0-80	751.17	N.A.	99.90
0-90	751.64	N.A.	100.00
10-90	672.38	N.A.	89.50
20-40	439.01	N.A.	58.40
20-50	456.02	N.A.	60.70
40-70	19.75	N.A.	2.60
60-80	1.77	N.A.	0.20
70-80	0.76	N.A.	0.10
80-90	0.48	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	751.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.27
10-20	212.39
20-30	273.21
30-40	165.80
40-50	17.01
50-60	1.73
60-70	1.01
70-80	0.76
80-90	0.48
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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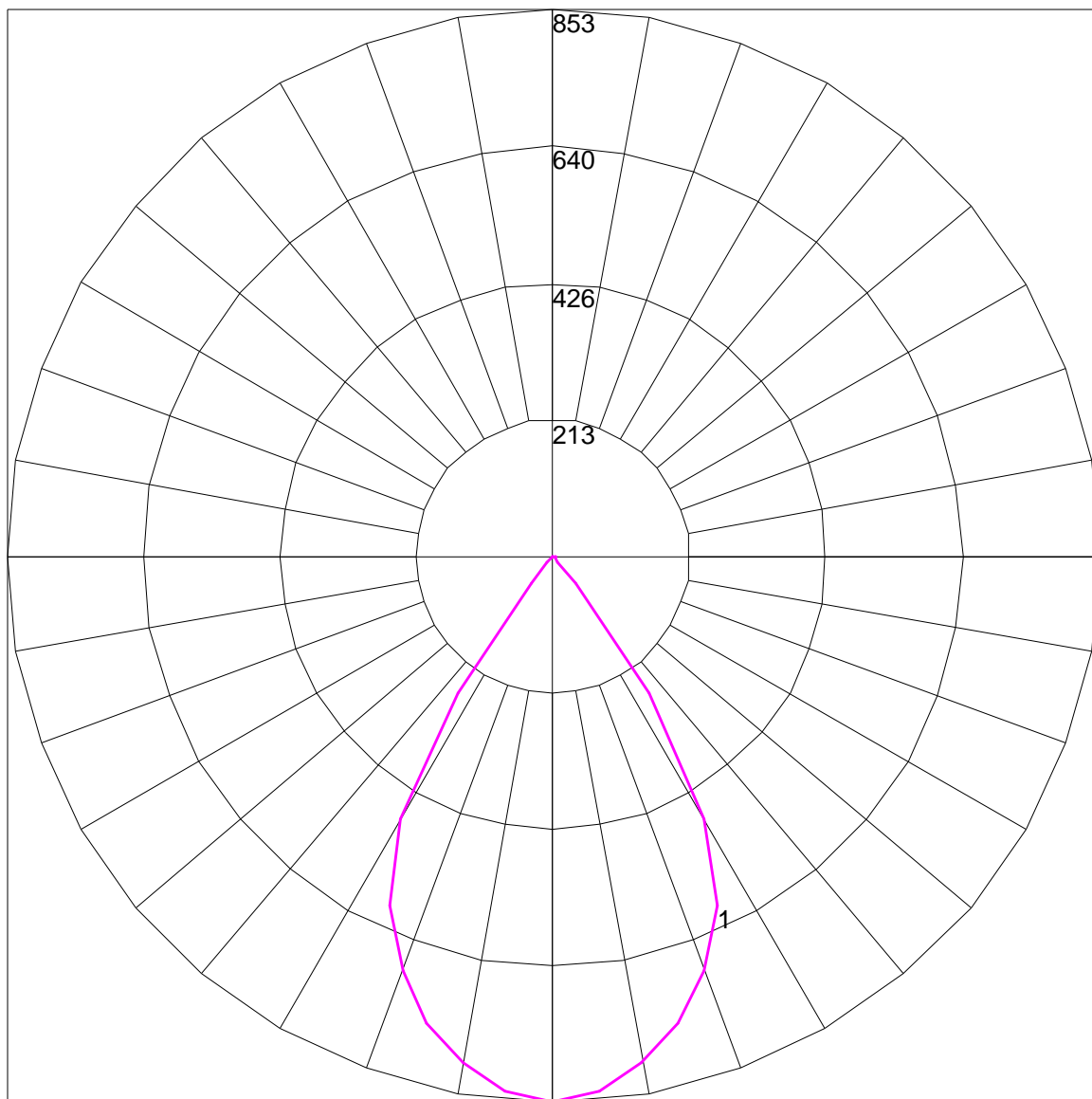
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	77
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	70	65	83	75	69	65	73	69	65	72	68	65	71	67	64	63
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	68	63	60	59
9	77	67	61	58	76	67	61	57	66	61	57	65	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

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POLAR GRAPH



Maximum Candela = 852.821 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)