

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_3 ~ SR4MX-XT10LE1-RDD4X-XXK-NDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.3_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT10L-E1-RDD4x-xxK-ND-MW-NL
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 16.1 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	749
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.30
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.32
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	232	201	240
55	126	141	120
65	176	221	143
75	229	144	175
85	589	485	482

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_3 ~ SR4MX-XT10LE1-RDD4X-XXK-NDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4558.592	4558.592	4558.592	4558.592	4558.592
5	3692.040	3799.798	3697.723	3753.991	3644.468
10	1682.262	1767.062	1666.850	1733.869	1651.933
15	687.600	715.154	682.686	709.938	688.114
20	362.662	373.198	367.026	376.987	375.327
25	279.247	281.302	278.864	283.389	280.802
30	249.824	250.082	248.798	250.092	249.651
35	138.923	144.474	135.230	140.006	135.837
40	12.219	14.724	9.470	13.481	10.108
45	1.579	1.186	1.371	1.231	1.631
50	1.260	0.874	1.064	0.702	0.703
55	0.694	0.974	0.781	1.570	0.662
60	1.313	1.368	0.797	0.948	0.998
65	0.717	0.462	0.898	0.785	0.582
70	0.690	0.806	0.658	0.614	0.891
75	0.571	0.565	0.358	0.661	0.436
80	0.477	0.640	0.583	0.480	0.392
85	0.494	0.479	0.407	0.433	0.404
90	0.475	0.109	0.357	0.420	0.224

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Zone	Lumens	%Lamp	%Fixt
0-20	524.68	N.A.	70.10
0-30	660.26	N.A.	88.20
0-40	742.81	N.A.	99.20
0-60	746.67	N.A.	99.80
0-80	748.06	N.A.	99.90
0-90	748.53	N.A.	100.00
10-90	454.89	N.A.	60.80
20-40	218.12	N.A.	29.10
20-50	221.09	N.A.	29.50
40-70	4.65	N.A.	0.60
60-80	1.39	N.A.	0.20
70-80	0.61	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	748.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	293.64
10-20	231.04
20-30	135.57
30-40	82.55
40-50	2.97
50-60	0.89
60-70	0.79
70-80	0.61
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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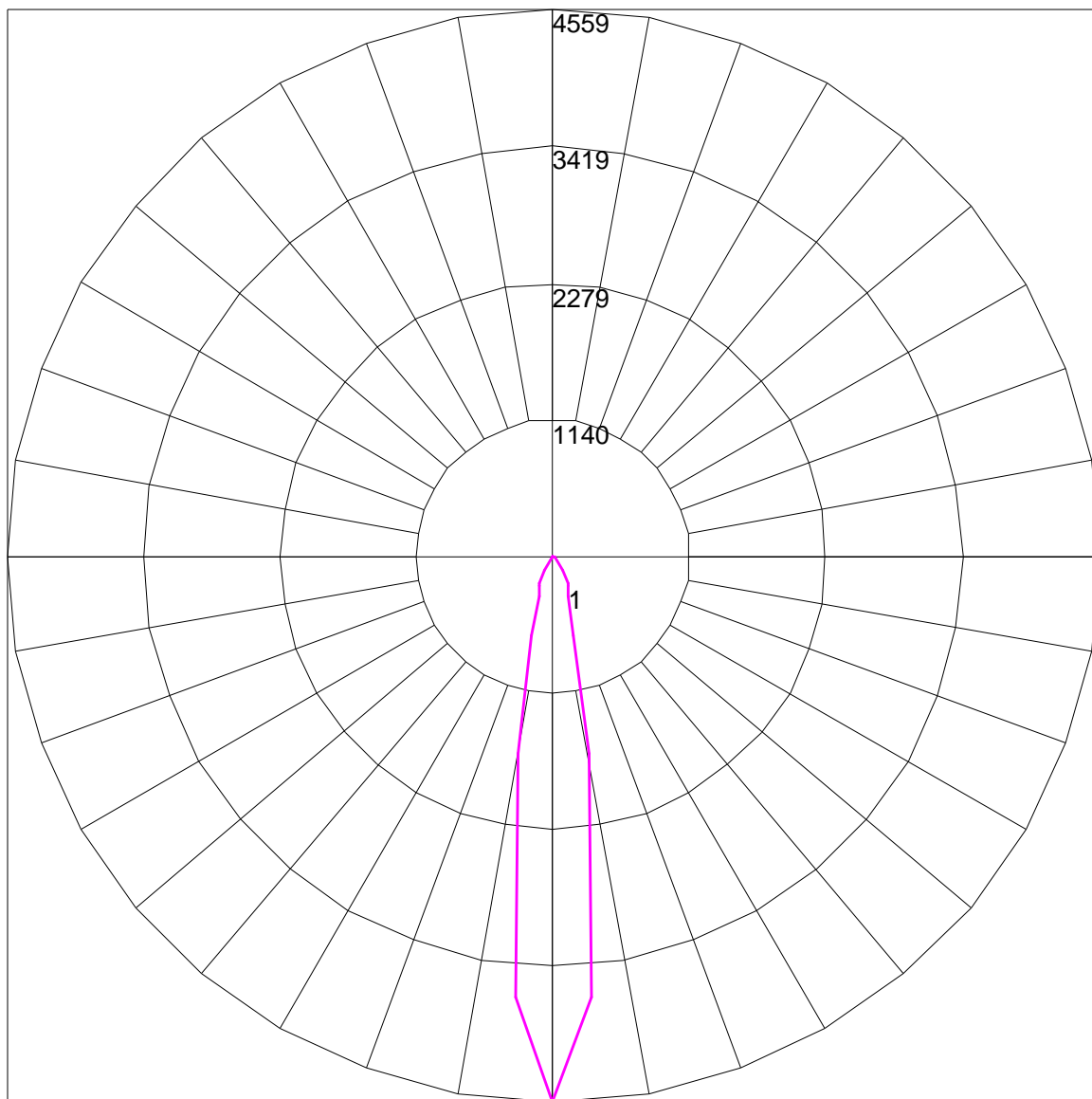
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	84	81	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	80	78	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	79	76	74	73
10	87	80	76	73	86	79	75	73	79	75	73	78	75	72	77	74	72	71

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POLAR GRAPH



Maximum Candela = 4558.592 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)