

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_3 ~ SR4MX-XT40LE1-RDD4X-XXK-NDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.3
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT40L-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 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2987
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	39.9
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	926	804	957
55	502	565	479
65	704	881	571
75	915	574	699
85	2349	1939	1921

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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	18190.711	18190.711	18190.711	18190.711	18190.711
5	14732.800	15162.800	14755.480	14980.010	14542.970
10	6712.938	7051.325	6651.435	6918.871	6591.911
15	2743.813	2853.768	2724.207	2832.951	2745.867
20	1447.175	1489.217	1464.588	1504.338	1497.713
25	1114.315	1122.512	1112.785	1130.842	1120.520
30	996.903	997.931	992.809	997.974	996.215
35	554.362	576.513	539.623	558.683	542.046
40	48.758	58.756	37.790	53.794	40.336
45	6.301	4.733	5.472	4.913	6.510
50	5.029	3.486	4.244	2.802	2.807
55	2.769	3.885	3.116	6.264	2.642
60	5.238	5.458	3.181	3.782	3.983
65	2.862	1.843	3.584	3.132	2.324
70	2.752	3.215	2.626	2.451	3.557
75	2.279	2.254	1.429	2.639	1.740
80	1.904	2.554	2.328	1.914	1.563
85	1.970	1.911	1.626	1.728	1.611
90	1.897	0.434	1.424	1.674	0.895

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Zone	Lumens	%Lamp	%Fixt
0-20	2093.71	N.A.	70.10
0-30	2634.71	N.A.	88.20
0-40	2964.12	N.A.	99.20
0-60	2979.51	N.A.	99.80
0-80	2985.08	N.A.	99.90
0-90	2986.96	N.A.	100.00
10-90	1815.19	N.A.	60.80
20-40	870.40	N.A.	29.10
20-50	882.24	N.A.	29.50
40-70	18.54	N.A.	0.60
60-80	5.56	N.A.	0.20
70-80	2.42	N.A.	0.10
80-90	1.88	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	2986.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1171.77
10-20	921.95
20-30	541.00
30-40	329.41
40-50	11.83
50-60	3.56
60-70	3.14
70-80	2.42
80-90	1.88
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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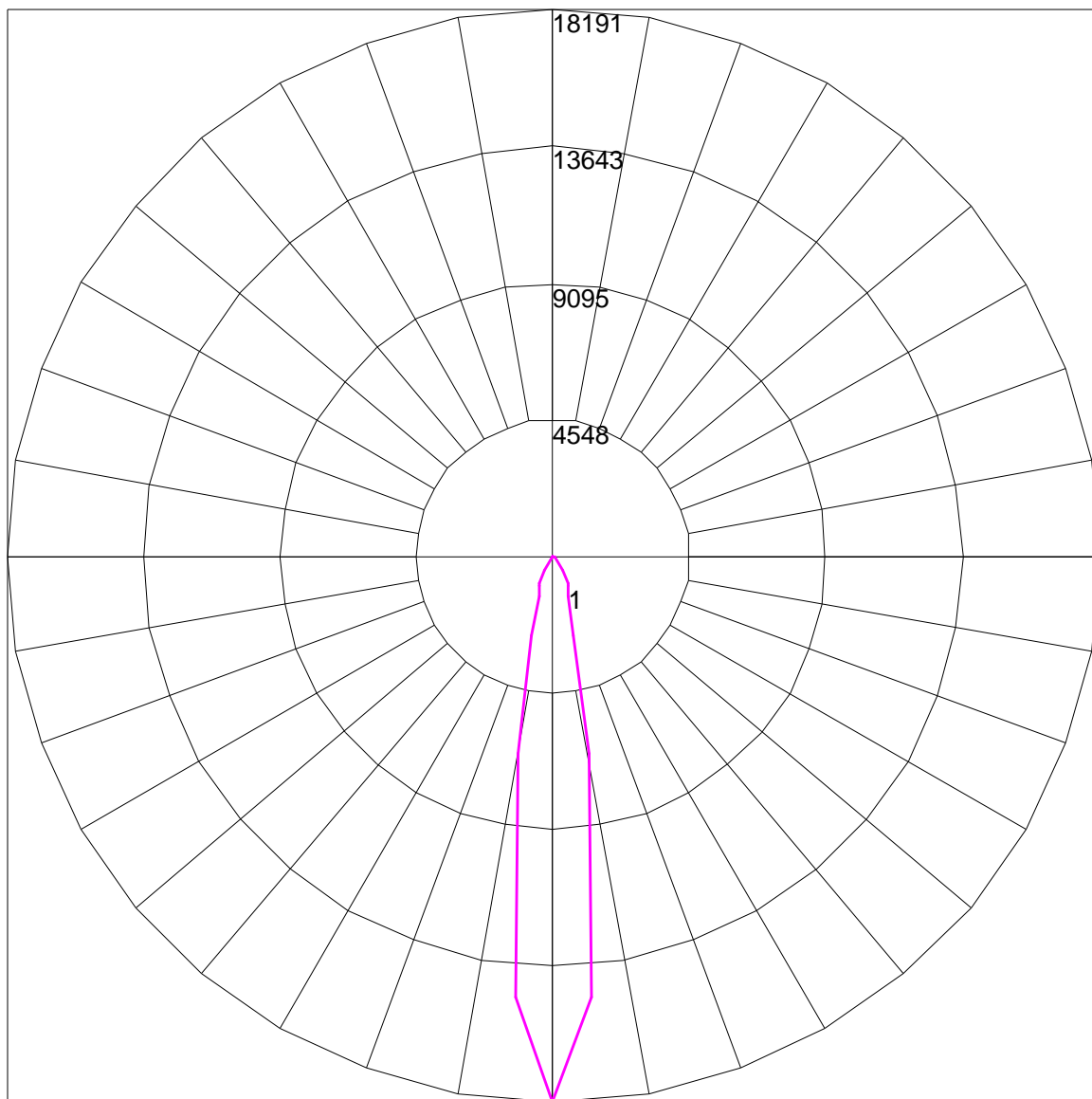
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	107	105	104	103	102	101	100	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	99	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	83	87	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	81	78	91	84	80	77	83	80	77	82	79	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	77	75	80	77	75	80	77	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 = 18190.711 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)