

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_7 ~ SR4MX-XT10LE1-RDD4X-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.7_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT10L-E1-RDD4x-xxK-MD-MW-GL
[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 27 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	688
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)	0.48
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.50
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	1240	1206	1170
55	1165	1235	1132
65	373	364	447
75	297	296	363
85	389	533	552

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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	1940.581	1940.581	1940.581	1940.581	1940.581
5	1809.959	1822.586	1818.082	1836.826	1834.399
10	1364.960	1380.611	1368.307	1404.865	1406.185
15	870.735	886.387	877.748	911.448	912.111
20	531.825	541.061	535.332	554.649	553.626
25	352.973	359.843	358.505	366.313	366.017
30	264.144	269.243	268.860	274.629	274.332
35	128.770	137.285	134.105	145.100	144.368
40	11.737	11.393	10.230	13.135	12.986
45	8.437	7.900	8.207	7.883	7.965
50	8.188	7.984	7.888	7.461	7.254
55	6.430	6.354	6.815	6.306	6.249
60	3.126	3.608	2.475	3.151	3.384
65	1.516	1.410	1.482	1.530	1.818
70	1.753	1.267	0.820	1.405	1.196
75	0.741	0.964	0.737	0.620	0.903
80	0.492	0.519	0.446	0.357	0.779
85	0.326	0.488	0.447	0.274	0.463
90	0.357	0.319	0.278	0.164	0.464

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Zone	Lumens	%Lamp	%Fixt
0-20	413.16	N.A.	60.00
0-30	587.95	N.A.	85.40
0-40	673.17	N.A.	97.80
0-60	685.35	N.A.	99.50
0-80	688.05	N.A.	99.90
0-90	688.48	N.A.	100.00
10-90	528.64	N.A.	76.80
20-40	260.01	N.A.	37.80
20-50	266.88	N.A.	38.80
40-70	14.00	N.A.	2.00
60-80	2.70	N.A.	0.40
70-80	0.87	N.A.	0.10
80-90	0.43	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	688.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.84
10-20	253.33
20-30	174.78
30-40	85.23
40-50	6.87
50-60	5.30
60-70	1.83
70-80	0.87
80-90	0.43
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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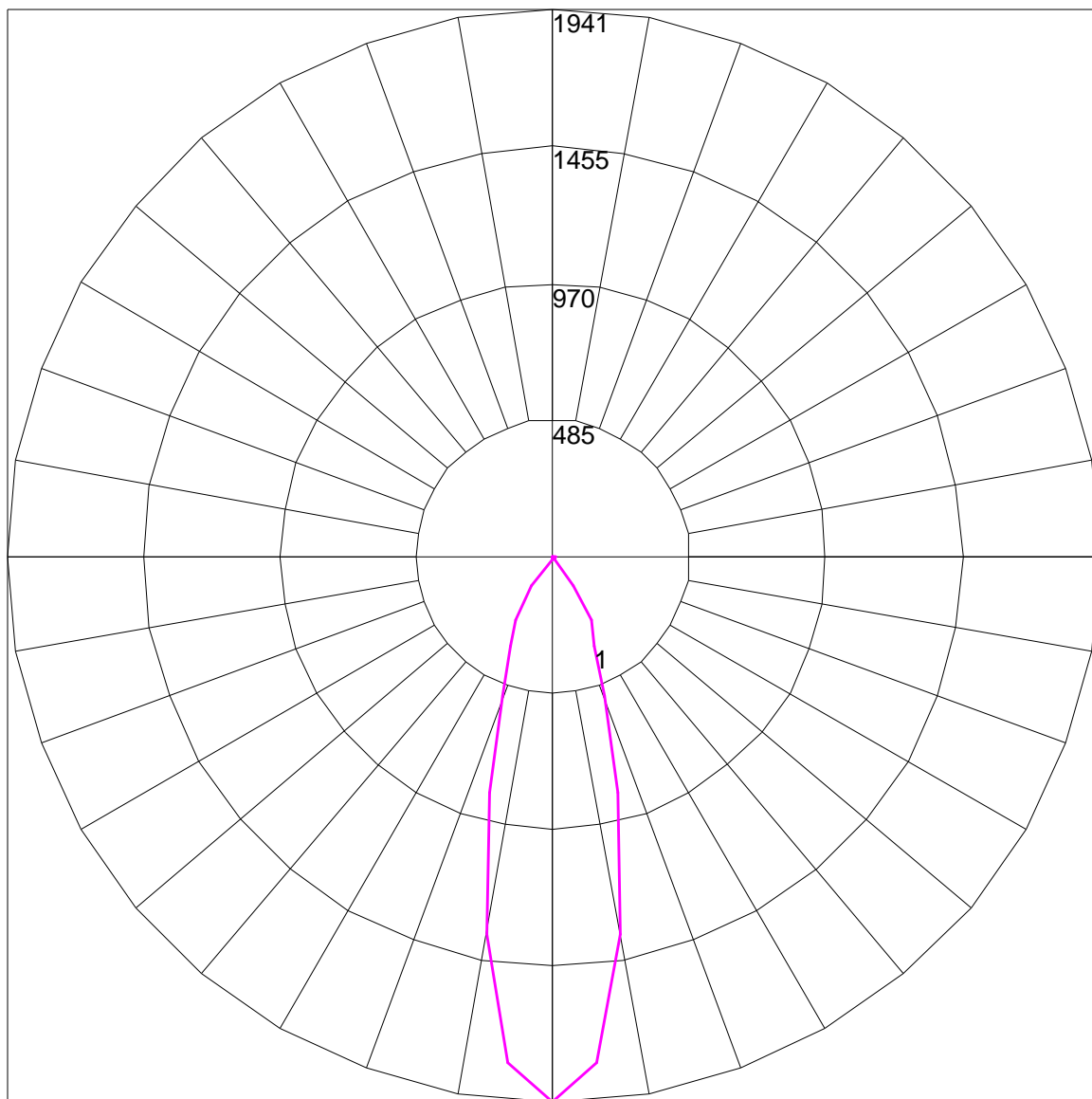
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	85	83	82
5	97	90	85	82	96	89	85	82	88	84	81	86	83	80	85	82	79	78
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	82	78	76	75
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	78	75	73	71
8	87	79	74	71	86	78	74	70	77	73	70	76	73	70	76	72	70	68
9	84	76	71	68	83	75	71	67	74	70	67	74	70	67	73	69	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63

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POLAR GRAPH



Maximum Candela = 1940.581 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)