

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_6 ~ SR4MX-XT10LE1-RDD4X-XXK-MDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.6_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-NL
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, no lens
 [OTHER] 26.9 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	743
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)	0.48
Spacing Criterion (90-270)	0.46
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	254	175	210
55	266	133	258
65	256	224	186
75	214	264	140
85	380	821	420

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_6 ~ SR4MX-XT10LE1-RDD4X-XXK-MDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2164.428	2164.428	2164.428	2164.428	2164.428
5	2021.318	2035.647	2002.474	2010.840	1985.764
10	1528.098	1553.511	1502.714	1516.989	1475.646
15	979.602	1002.620	958.391	972.551	933.776
20	593.393	604.587	580.967	589.320	566.285
25	398.761	402.017	391.382	396.056	383.580
30	301.129	302.475	296.776	297.894	290.060
35	165.083	169.410	151.537	154.239	138.354
40	10.563	11.638	6.695	6.560	2.790
45	1.726	1.361	1.189	1.585	1.430
50	0.833	1.245	1.136	1.375	1.112
55	1.469	0.743	0.732	1.126	1.425
60	0.972	1.082	0.930	0.817	0.911
65	1.043	1.054	0.913	0.748	0.758
70	0.683	0.887	0.811	0.472	0.721
75	0.534	0.526	0.657	0.495	0.348
80	0.492	0.232	0.296	0.354	0.442
85	0.319	0.394	0.689	0.202	0.352
90	0.235	0.233	0.300	0.122	0.425

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Zone	Lumens	%Lamp	%Fixt
0-20	452.74	N.A.	60.90
0-30	643.67	N.A.	86.60
0-40	738.12	N.A.	99.30
0-60	741.31	N.A.	99.80
0-80	742.72	N.A.	99.90
0-90	743.10	N.A.	100.00
10-90	566.82	N.A.	76.30
20-40	285.38	N.A.	38.40
20-50	287.64	N.A.	38.70
40-70	4.04	N.A.	0.50
60-80	1.42	N.A.	0.20
70-80	0.56	N.A.	0.10
80-90	0.38	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	743.10	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	176.29
10-20	276.45
20-30	190.93
30-40	94.45
40-50	2.25
50-60	0.93
60-70	0.86
70-80	0.56
80-90	0.38
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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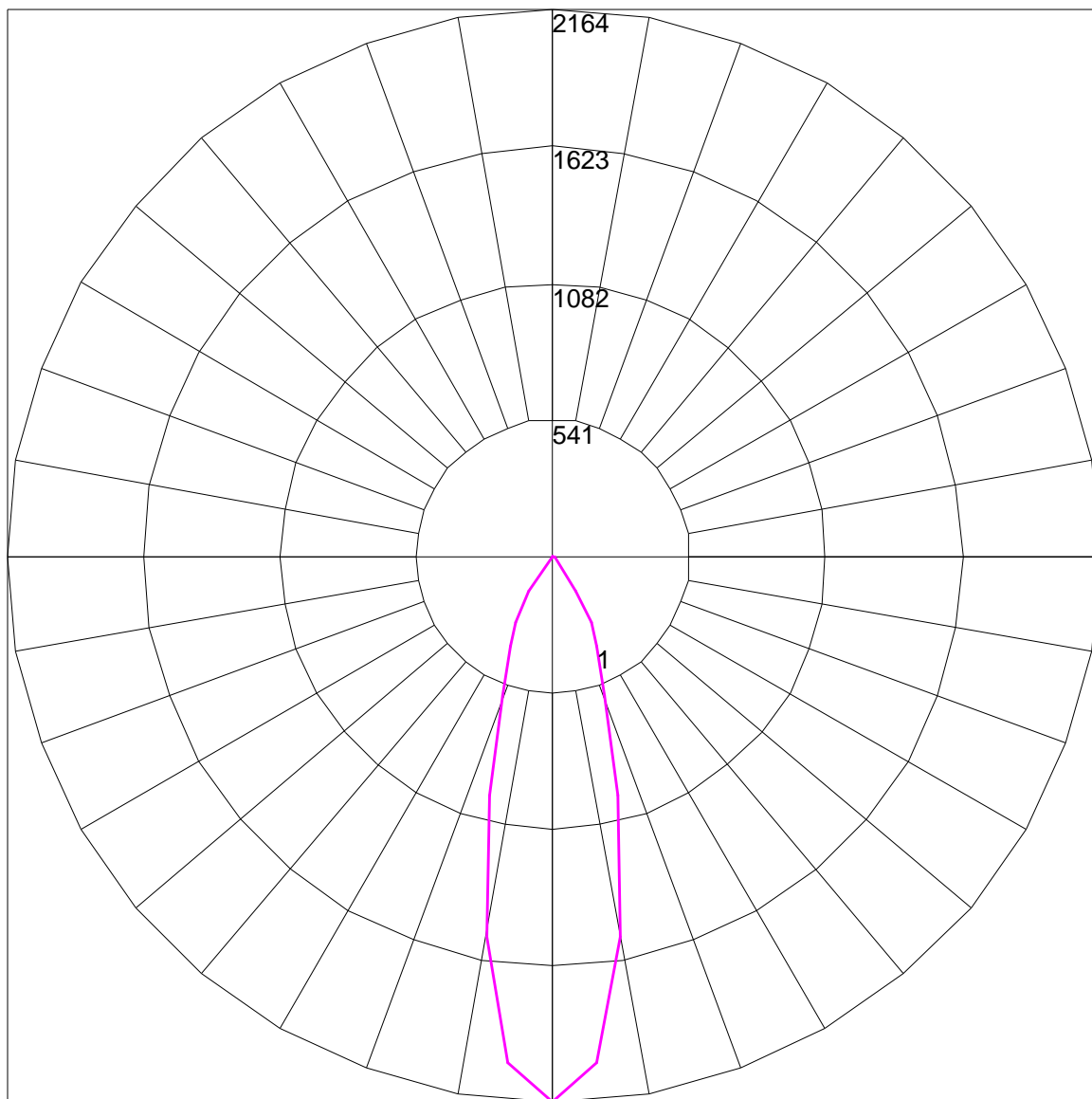
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 2164.428 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)