

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_2 ~ SR4MX-XT10LE1-RDD4X-XXK-XNMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.2_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT10L-E1-RDD4x-xxK-XN-MW-SO
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 14.1 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 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	769
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.28
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_2 ~ SR4MX-XT10LE1-RDD4X-XXK-XNMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2301	2130	2406
55	1108	1187	1428
65	648	686	688
75	338	532	556
85	715	854	985

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_2 ~ SR4MX-XT10LE1-RDD4X-XXK-XNMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	5685.013	5685.013	5685.013	5685.013	5685.013
5	4311.457	4009.623	4213.238	4234.101	4399.219
10	1889.086	1557.927	1716.112	1795.979	1811.997
15	684.348	539.255	601.355	672.872	630.226
20	336.246	305.255	316.200	333.057	327.554
25	268.094	262.356	262.555	263.493	265.769
30	221.873	212.561	213.706	210.219	209.579
35	123.693	113.321	118.882	113.227	117.108
40	43.196	38.030	39.583	36.463	42.781
45	15.659	13.157	14.497	15.672	16.373
50	9.053	7.631	8.814	9.646	9.422
55	6.117	5.368	6.551	6.319	7.883
60	4.439	3.977	4.232	3.901	4.341
65	2.637	2.732	2.791	3.362	2.798
70	1.878	2.178	2.542	2.343	2.414
75	0.843	1.586	1.326	1.235	1.384
80	0.852	0.965	0.973	0.746	0.951
85	0.600	0.478	0.716	0.853	0.826
90	0.347	0.395	0.510	0.430	0.637

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Zone	Lumens	%Lamp	%Fixt
0-20	547.14	N.A.	71.10
0-30	668.89	N.A.	87.00
0-40	743.40	N.A.	96.60
0-60	763.90	N.A.	99.30
0-80	768.46	N.A.	99.90
0-90	769.21	N.A.	100.00
10-90	438.75	N.A.	57.00
20-40	196.26	N.A.	25.50
20-50	211.06	N.A.	27.40
40-70	23.53	N.A.	3.10
60-80	4.56	N.A.	0.60
70-80	1.54	N.A.	0.20
80-90	0.75	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	769.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	330.46
10-20	216.68
20-30	121.75
30-40	74.50
40-50	14.80
50-60	5.70
60-70	3.03
70-80	1.54
80-90	0.75
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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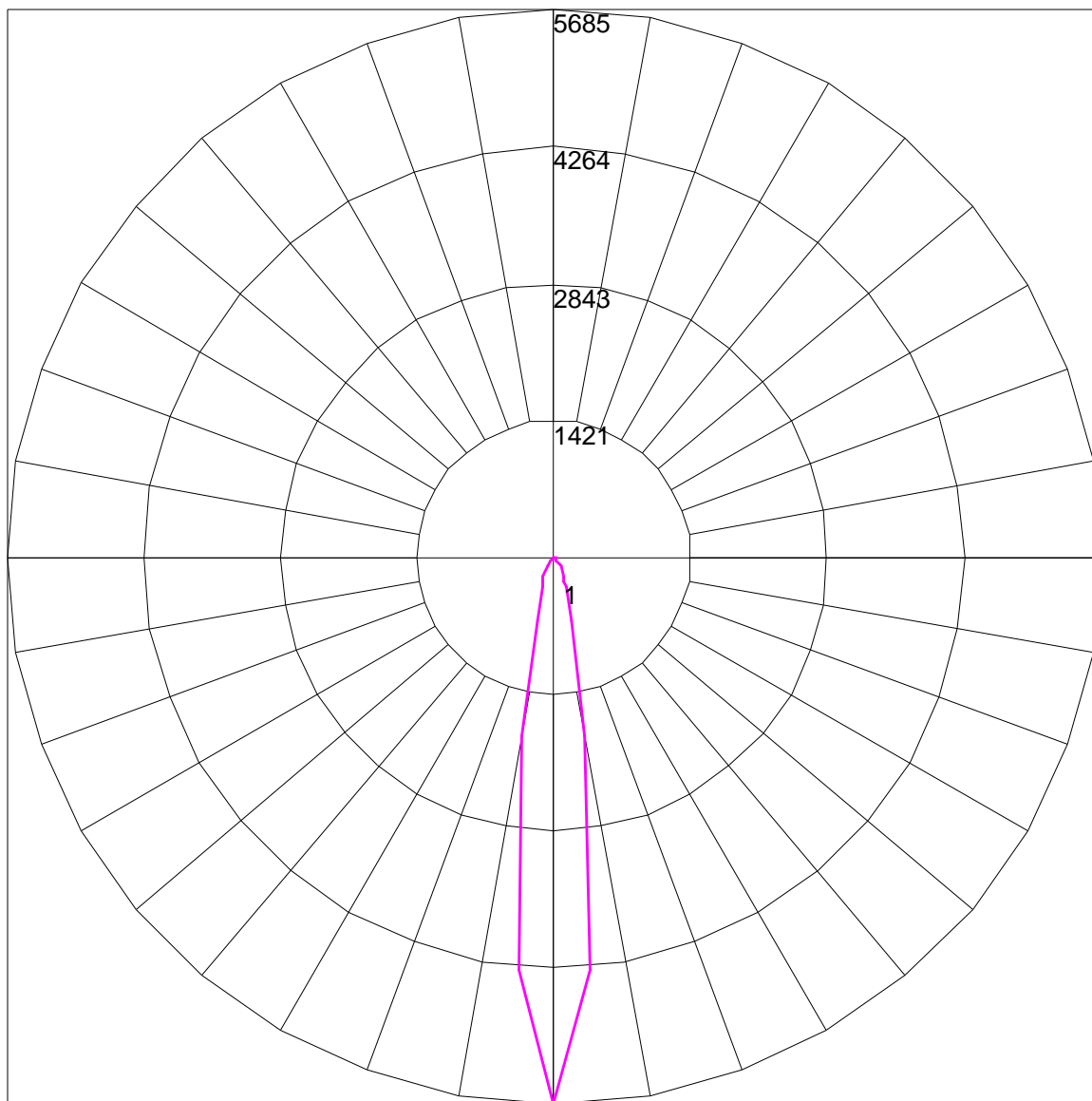
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	87	84	96	90	86	83	89	85	83	88	85	82	86	84	82	81
7	95	88	84	81	93	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76
9	90	83	79	76	89	82	78	76	82	78	75	81	78	75	80	77	75	74
10	87	80	76	74	87	80	76	74	79	76	73	79	76	73	78	75	73	72

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POLAR GRAPH



Maximum Candela = 5685.013 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)