

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_1 ~ SR4MX-XT10LE1-RDD4X-XXK-XNMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.1_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-GL
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 10.7 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	806
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.16
Spacing Criterion (90-270)	0.16
Spacing Criterion (Diagonal)	0.20
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_1 ~ SR4MX-XT10LE1-RDD4X-XXK-XNMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	840	1047	716
55	761	747	615
65	436	287	194
75	472	306	390
85	1259	356	647

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_1 ~ SR4MX-XT10LE1-RDD4X-XXK-XNMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	13096.936	13096.936	13096.936	13096.936	13096.936
5	5553.474	5814.356	5405.385	5955.521	5915.889
10	922.499	975.973	910.795	975.603	949.676
15	359.850	364.885	355.525	355.116	344.540
20	284.203	281.021	281.707	279.985	279.893
25	270.973	266.589	269.335	263.789	265.894
30	253.847	259.569	252.081	259.943	252.231
35	102.690	125.736	99.151	137.331	112.785
40	12.532	9.901	13.237	10.205	11.626
45	5.713	5.372	7.122	6.039	4.875
50	4.012	4.170	5.296	4.317	4.193
55	4.201	4.120	4.121	3.989	3.393
60	2.426	2.967	2.894	3.203	1.440
65	1.772	1.154	1.168	1.241	0.790
70	1.482	1.939	1.592	1.113	0.955
75	1.175	0.788	0.762	0.769	0.972
80	0.923	1.227	0.430	0.417	1.122
85	1.056	1.145	0.299	0.782	0.543
90	0.949	0.481	0.381	0.155	0.410

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_1 ~ SR4MX-XT10LE1-RDD4X-XXK-XNMWGL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	593.99	N.A.	73.70
0-30	717.70	N.A.	89.00
0-40	794.22	N.A.	98.50
0-60	802.94	N.A.	99.60
0-80	805.62	N.A.	99.90
0-90	806.36	N.A.	100.00
10-90	342.46	N.A.	42.50
20-40	200.23	N.A.	24.80
20-50	205.54	N.A.	25.50
40-70	10.36	N.A.	1.30
60-80	2.68	N.A.	0.30
70-80	1.04	N.A.	0.10
80-90	0.74	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	806.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	463.90
10-20	130.09
20-30	123.71
30-40	76.52
40-50	5.31
50-60	3.41
60-70	1.64
70-80	1.04
80-90	0.74
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP_00548_1 ~ SR4MX-XT10LE1-RDD4X-XXK-XNMWGL.IES

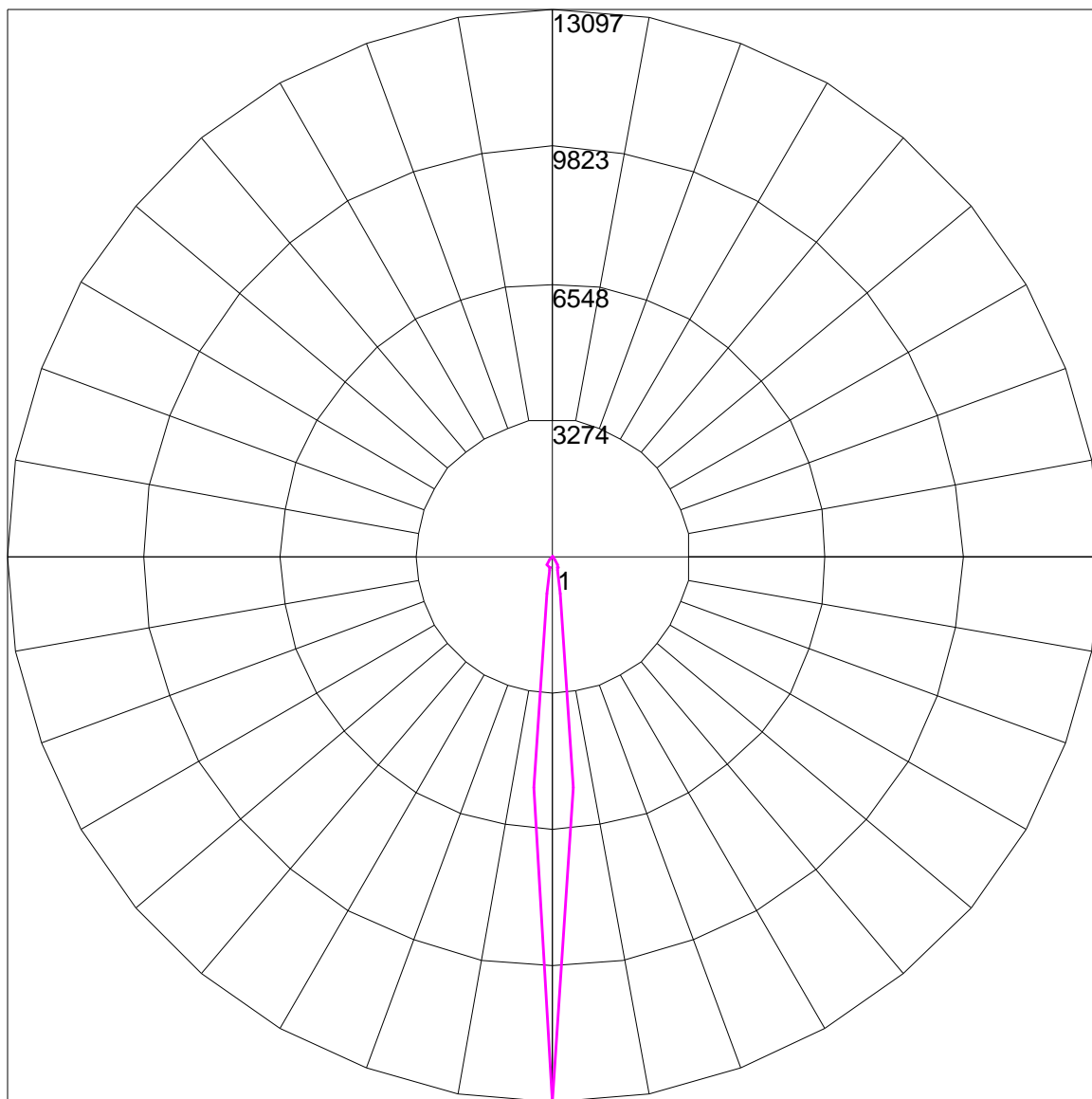
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	96	89	86	83	95	89	85	83	88	85	83	87	84	82	87	84	82	81
9	93	87	84	81	93	87	84	81	86	83	81	86	83	81	85	82	80	80
10	92	86	82	80	91	85	82	79	85	81	79	84	81	79	83	81	79	78

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_1 ~ SR4MX-XT10LE1-RDD4X-XXK-XNMWGL.IES

POLAR GRAPH



Maximum Candela = 13096.936 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)