

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_8 ~ SR4MX-XT10LE1-RDD4X-XXK-MDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.8_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-SO
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 29.5 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	671
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.56
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_8 ~ SR4MX-XT10LE1-RDD4X-XXK-MDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2693	2551	2649
55	1422	1492	1517
65	1029	1053	1018
75	568	613	565
85	750	506	479

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_8 ~ SR4MX-XT10LE1-RDD4X-XXK-MDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1625.992	1625.992	1625.992	1625.992	1625.992
5	1510.171	1529.722	1529.416	1548.013	1540.322
10	1191.059	1220.653	1217.201	1245.706	1231.929
15	827.463	852.878	844.782	875.167	862.118
20	541.649	556.843	551.713	573.489	565.968
25	362.946	371.827	369.424	382.296	378.907
30	241.450	248.849	247.602	257.301	253.289
35	124.201	133.043	131.424	139.144	134.049
40	42.166	45.041	44.934	47.666	44.814
45	18.323	17.572	17.357	18.684	18.023
50	10.977	10.919	10.644	11.631	11.440
55	7.852	8.060	8.236	8.092	8.373
60	5.908	5.669	6.238	6.428	6.089
65	4.187	4.183	4.281	4.216	4.141
70	2.469	2.585	2.616	3.160	2.954
75	1.414	1.422	1.527	1.538	1.407
80	0.621	0.678	0.799	0.751	0.610
85	0.629	0.535	0.424	0.601	0.402
90	0.312	0.116	0.396	0.150	0.439

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Zone	Lumens	%Lamp	%Fixt
0-20	376.14	N.A.	56.10
0-30	552.91	N.A.	82.40
0-40	639.15	N.A.	95.30
0-60	664.20	N.A.	99.00
0-80	670.16	N.A.	99.90
0-90	670.71	N.A.	100.00
10-90	534.32	N.A.	79.70
20-40	263.01	N.A.	39.20
20-50	280.59	N.A.	41.80
40-70	29.31	N.A.	4.40
60-80	5.96	N.A.	0.90
70-80	1.69	N.A.	0.30
80-90	0.55	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	670.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.39
10-20	239.76
20-30	176.77
30-40	86.24
40-50	17.58
50-60	7.46
60-70	4.27
70-80	1.69
80-90	0.55
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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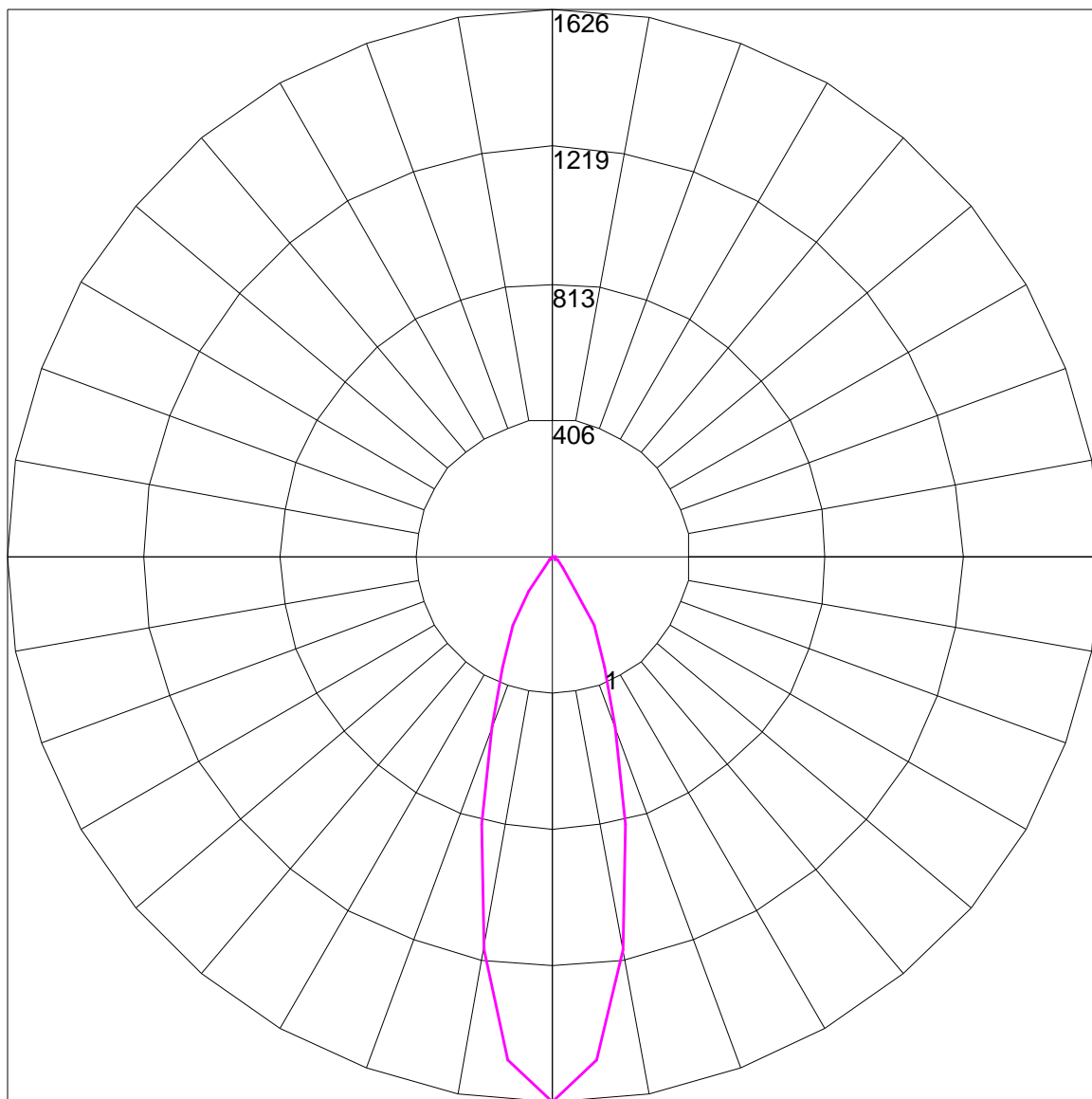
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	79	74	71	77	73	71	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	69	64	62	68	64	61	60

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POLAR GRAPH



Maximum Candela = 1625.992 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)