

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_10 ~ SR4MX-XT20LE1-RDD4X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00548.10_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/13/2017

[UPDATE] 4/18/2017

[LUMCAT] SR4MRx-XT20L-E1-RDD4x-xxK-WD-MW-GL

[LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam

[OTHER] Matte White Trim, Glass lens

[OTHER] 39.2 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	1417
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.66
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	3497	3531	3483
55	2384	2163	2147
65	977	989	782
75	657	728	628
85	907	1147	1104

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_10 ~ SR4MX-XT20LE1-RDD4X-XXK-WDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2650.160	2650.160	2650.160	2650.160	2650.160
5	2583.598	2593.641	2583.697	2589.686	2569.920
10	2321.171	2340.012	2321.991	2335.034	2306.442
15	1910.026	1933.705	1908.182	1937.282	1898.884
20	1380.222	1394.040	1360.945	1383.838	1341.123
25	899.233	907.064	884.231	897.384	865.547
30	615.023	626.083	608.800	621.263	597.662
35	291.438	299.554	280.718	299.319	272.165
40	38.656	39.519	38.175	41.290	37.135
45	23.797	23.267	24.031	25.163	23.702
50	17.648	17.277	17.607	17.487	18.296
55	13.157	12.260	11.940	12.940	11.853
60	6.540	5.933	5.367	5.705	3.793
65	3.972	3.620	4.024	3.760	3.182
70	2.930	3.325	2.584	2.477	2.562
75	1.636	2.070	1.814	1.653	1.563
80	1.264	1.050	1.009	0.826	1.714
85	0.761	0.940	0.962	1.209	0.926
90	0.498	0.462	0.666	0.299	0.590

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Zone	Lumens	%Lamp	%Fixt
0-20	762.02	N.A.	53.80
0-30	1190.74	N.A.	84.00
0-40	1379.13	N.A.	97.30
0-60	1409.94	N.A.	99.50
0-80	1415.81	N.A.	99.90
0-90	1416.78	N.A.	100.00
10-90	1178.41	N.A.	83.20
20-40	617.12	N.A.	43.60
20-50	637.25	N.A.	45.00
40-70	34.71	N.A.	2.40
60-80	5.87	N.A.	0.40
70-80	1.96	N.A.	0.10
80-90	0.97	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	1416.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	238.37
10-20	523.64
20-30	428.72
30-40	188.40
40-50	20.13
50-60	10.67
60-70	3.91
70-80	1.96
80-90	0.97
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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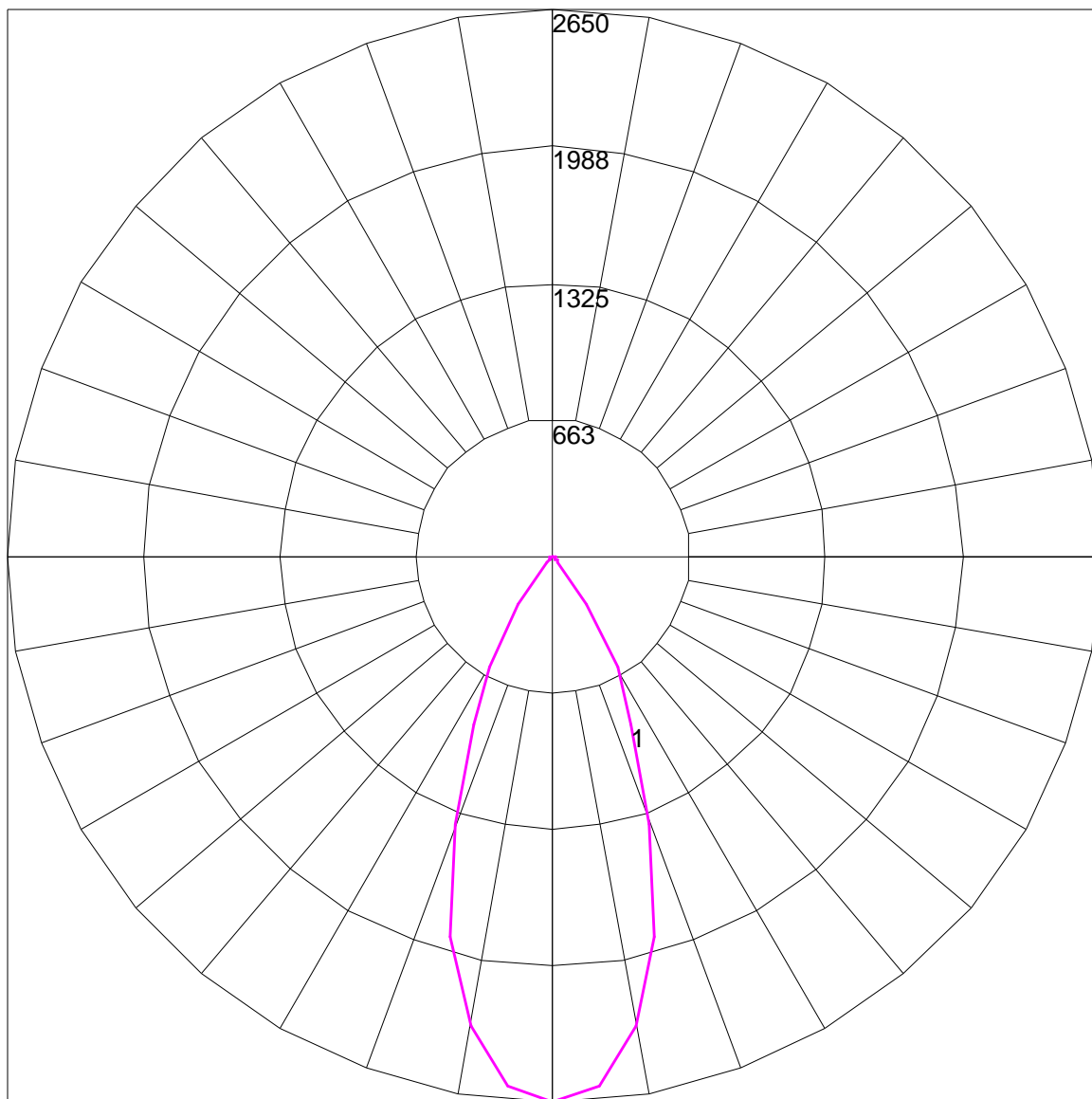
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	81	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	64	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59

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POLAR GRAPH



Maximum Candela = 2650.16 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)