

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_4 ~ SR4MX-XT20LE1-RDD4X-XXK-NDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00548.4_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 3/13/2017

[UPDATE] 4/18/2017

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

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

[OTHER] Matte White Trim, Clear glass lens

[OTHER] 16.1 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 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1431
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)	0.30
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.32
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	1864	1693	1642
55	1437	1338	1601
65	746	1001	834
75	726	794	530
85	897	1263	1378

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_4 ~ SR4MX-XT20LE1-RDD4X-XXK-NDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	8631.441	8631.441	8631.441	8631.441	8631.441
5	6905.090	7162.866	6942.811	7045.485	6823.305
10	3145.264	3351.703	3146.250	3253.854	3094.738
15	1320.280	1389.793	1313.281	1364.114	1313.981
20	710.936	735.322	715.177	731.409	723.731
25	540.880	545.156	536.270	545.790	540.761
30	477.197	479.058	472.219	478.496	473.951
35	239.940	259.164	233.180	242.042	229.376
40	20.422	34.139	22.256	29.899	19.702
45	12.686	11.118	11.518	12.638	11.174
50	9.397	9.494	7.660	9.694	7.568
55	7.933	7.378	7.388	7.907	8.838
60	4.135	6.340	5.373	6.547	6.405
65	3.036	2.169	4.070	4.401	3.390
70	2.386	1.909	4.760	2.653	1.732
75	1.809	2.036	1.978	2.043	1.321
80	1.034	1.091	1.504	1.827	0.871
85	0.752	1.118	1.059	0.796	1.156
90	0.574	0.555	0.465	0.842	0.556

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Zone	Lumens	%Lamp	%Fixt
0-20	993.99	N.A.	69.40
0-30	1255.73	N.A.	87.70
0-40	1406.4	N.A.	98.20
0-60	1424.44	N.A.	99.50
0-80	1430.42	N.A.	99.90
0-90	1431.49	N.A.	100.00
10-90	878.91	N.A.	61.40
20-40	412.41	N.A.	28.80
20-50	423.69	N.A.	29.60
40-70	21.91	N.A.	1.50
60-80	5.98	N.A.	0.40
70-80	2.11	N.A.	0.10
80-90	1.07	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	1431.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	552.58
10-20	441.41
20-30	261.74
30-40	150.67
40-50	11.28
50-60	6.76
60-70	3.87
70-80	2.11
80-90	1.07
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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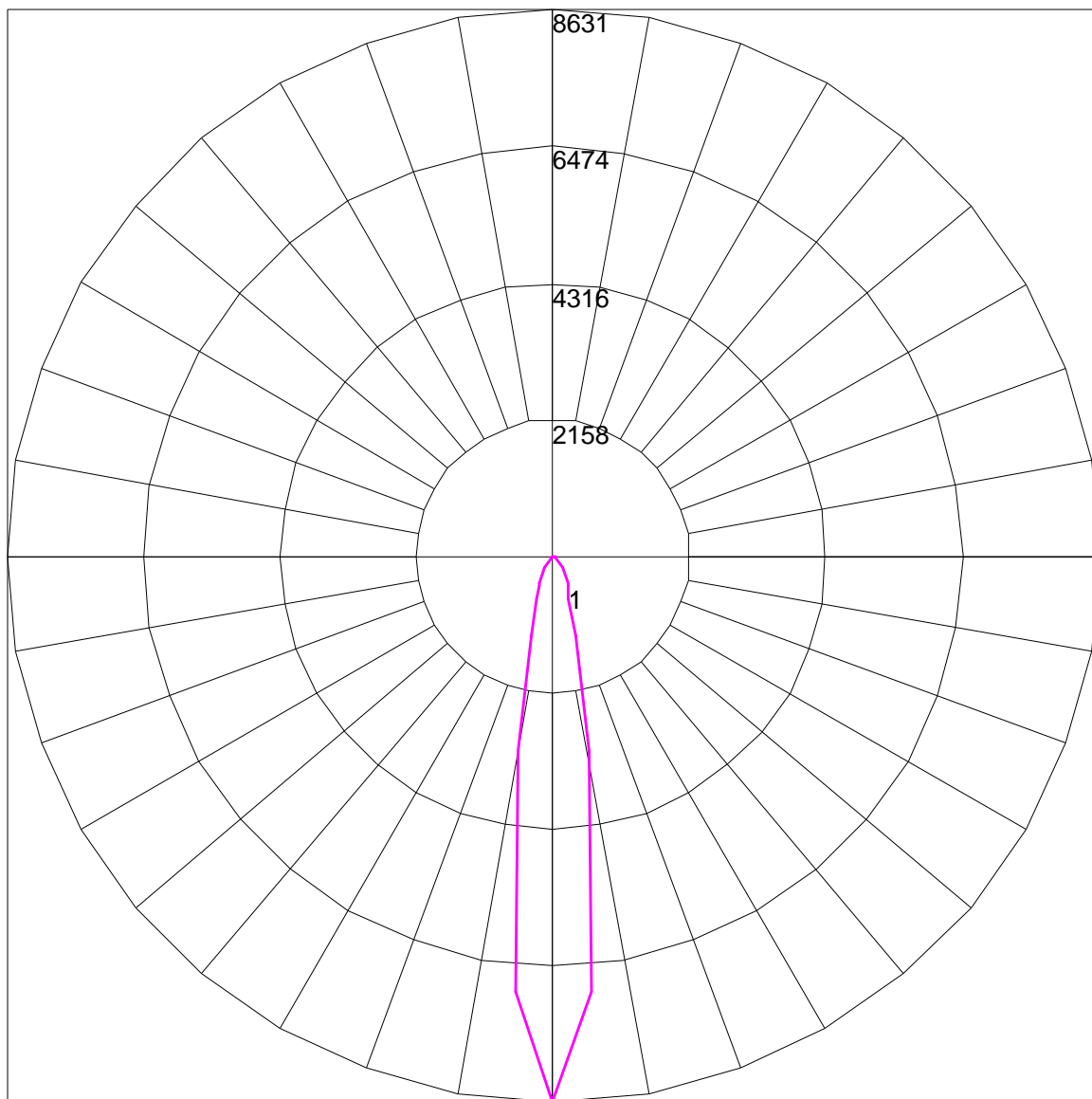
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	81	86	83	81	80
7	94	87	83	80	93	87	82	80	85	82	79	84	81	79	83	81	78	77
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	86	79	75	72	78	75	72	78	74	72	77	74	72	71

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POLAR GRAPH



Maximum Candela = 8631.441 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)