

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_9 ~ SR4MX-XT20LE1-RDD4X-XXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00548_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 3/13/2017

[UPDATE] 4/18/2017

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

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

[OTHER] Matte White Trim, No lens

[OTHER] 39.4 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	1541
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.68
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	503	493	407
55	458	569	490
65	585	564	435
75	555	375	688
85	943	1133	868

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2873.346	2873.346	2873.346	2873.346	2873.346
5	2804.643	2822.575	2811.322	2822.392	2801.925
10	2522.998	2551.908	2537.700	2556.012	2530.200
15	2066.641	2096.457	2074.845	2109.652	2083.371
20	1488.835	1516.555	1488.898	1528.523	1495.945
25	978.956	1000.901	983.312	1006.504	984.202
30	661.994	678.793	668.380	683.721	670.499
35	365.023	381.941	367.514	381.364	355.523
40	25.359	39.023	28.207	41.308	24.783
45	3.426	3.265	3.353	3.548	2.770
50	2.681	2.720	2.801	2.650	3.024
55	2.526	2.607	3.140	2.897	2.703
60	2.738	2.558	2.127	1.833	2.159
65	2.379	1.944	2.294	1.872	1.769
70	1.495	1.593	1.764	1.858	1.716
75	1.383	1.033	0.933	1.417	1.714
80	1.129	0.794	1.144	1.314	0.968
85	0.791	1.004	0.950	1.218	0.728
90	0.680	0.464	0.654	0.643	0.834

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Zone	Lumens	%Lamp	%Fixt
0-20	830.77	N.A.	53.90
0-30	1303.94	N.A.	84.60
0-40	1525.9	N.A.	99.00
0-60	1536.3	N.A.	99.70
0-80	1539.68	N.A.	99.90
0-90	1540.68	N.A.	100.00
10-90	1281.01	N.A.	83.10
20-40	695.13	N.A.	45.10
20-50	703.15	N.A.	45.60
40-70	12.40	N.A.	0.80
60-80	3.38	N.A.	0.20
70-80	1.39	N.A.	0.10
80-90	1.00	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	1540.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	259.67
10-20	571.10
20-30	473.17
30-40	221.95
40-50	8.03
50-60	2.38
60-70	1.99
70-80	1.39
80-90	1.00
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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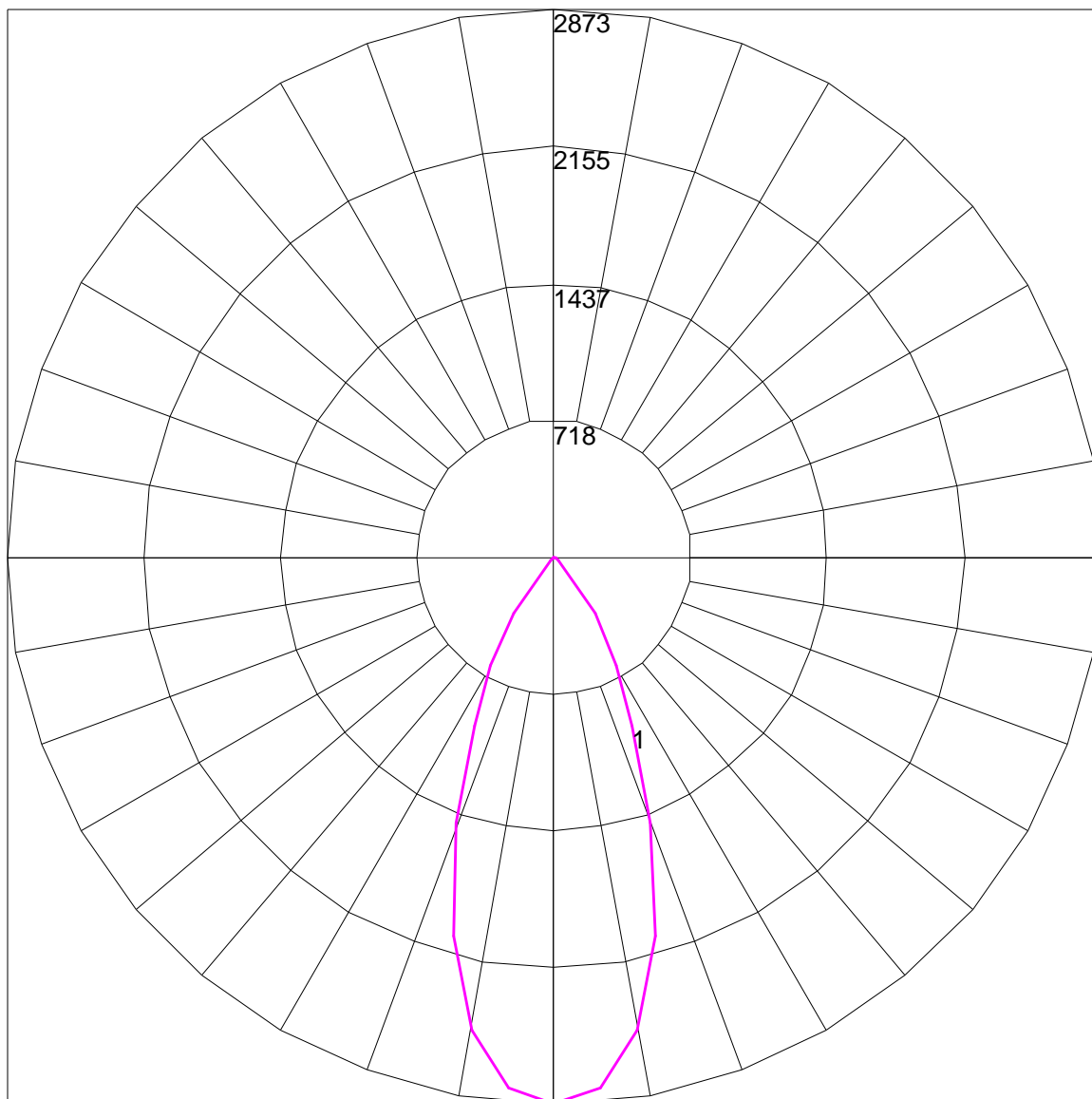
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	76	91	84	79	75	82	78	75	81	77	74	80	76	74	73
7	88	80	75	71	87	80	75	71	79	74	71	77	73	71	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60

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POLAR GRAPH



Maximum Candela = 2873.346 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)