

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_14 ~ SR4MX-XT20LE1-RDD4X-XXK-XWMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00548.14_M-20L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 3/13/2017
[UPDATE] 4/18/2017
[LUMCAT] SR4MRx-XT20L-E1-RDD4x-xxK-XW-MW-SO
[LUMINAIRE] Nom. 4" Round Downlight, Deep Profile, Xtra Wide Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 59.1 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	1418
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)	0.92
Spacing Criterion (90-270)	0.94
Spacing Criterion (Diagonal)	0.88
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	9817	11231	10942
55	3913	4178	4087
65	2598	2366	2498
75	1290	1357	1244
85	1289	1025	1307

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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	1614.471	1614.471	1614.471	1614.471	1614.471
5	1578.091	1579.866	1584.494	1590.208	1589.524
10	1503.245	1515.222	1520.960	1529.522	1530.426
15	1402.194	1420.135	1427.033	1438.724	1436.580
20	1258.482	1283.288	1288.638	1303.461	1292.772
25	1048.090	1079.524	1078.560	1097.335	1081.263
30	748.655	784.022	780.643	796.502	774.455
35	398.650	427.379	425.229	441.685	423.294
40	158.238	175.246	178.600	193.365	181.934
45	66.803	74.723	76.424	80.590	74.460
50	33.870	37.069	37.849	39.145	36.704
55	21.600	22.904	23.063	24.108	22.558
60	14.288	15.402	15.650	16.203	14.741
65	10.566	10.989	9.622	11.416	10.160
70	6.317	6.813	7.265	6.867	6.339
75	3.213	3.268	3.380	3.538	3.099
80	1.636	1.967	1.418	1.589	1.975
85	1.081	1.322	0.860	1.047	1.096
90	0.756	0.600	0.657	0.438	0.821

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Zone	Lumens	%Lamp	%Fixt
0-20	547.82	N.A.	38.60
0-30	1031.63	N.A.	72.70
0-40	1310.41	N.A.	92.40
0-60	1402.45	N.A.	98.90
0-80	1417.19	N.A.	99.90
0-90	1418.41	N.A.	100.00
10-90	1269.09	N.A.	89.50
20-40	762.60	N.A.	53.80
20-50	832.61	N.A.	58.70
40-70	102.78	N.A.	7.20
60-80	14.74	N.A.	1.00
70-80	4.00	N.A.	0.30
80-90	1.22	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	1418.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.33
10-20	398.49
20-30	483.81
30-40	278.79
40-50	70.02
50-60	22.02
60-70	10.74
70-80	4.00
80-90	1.22
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

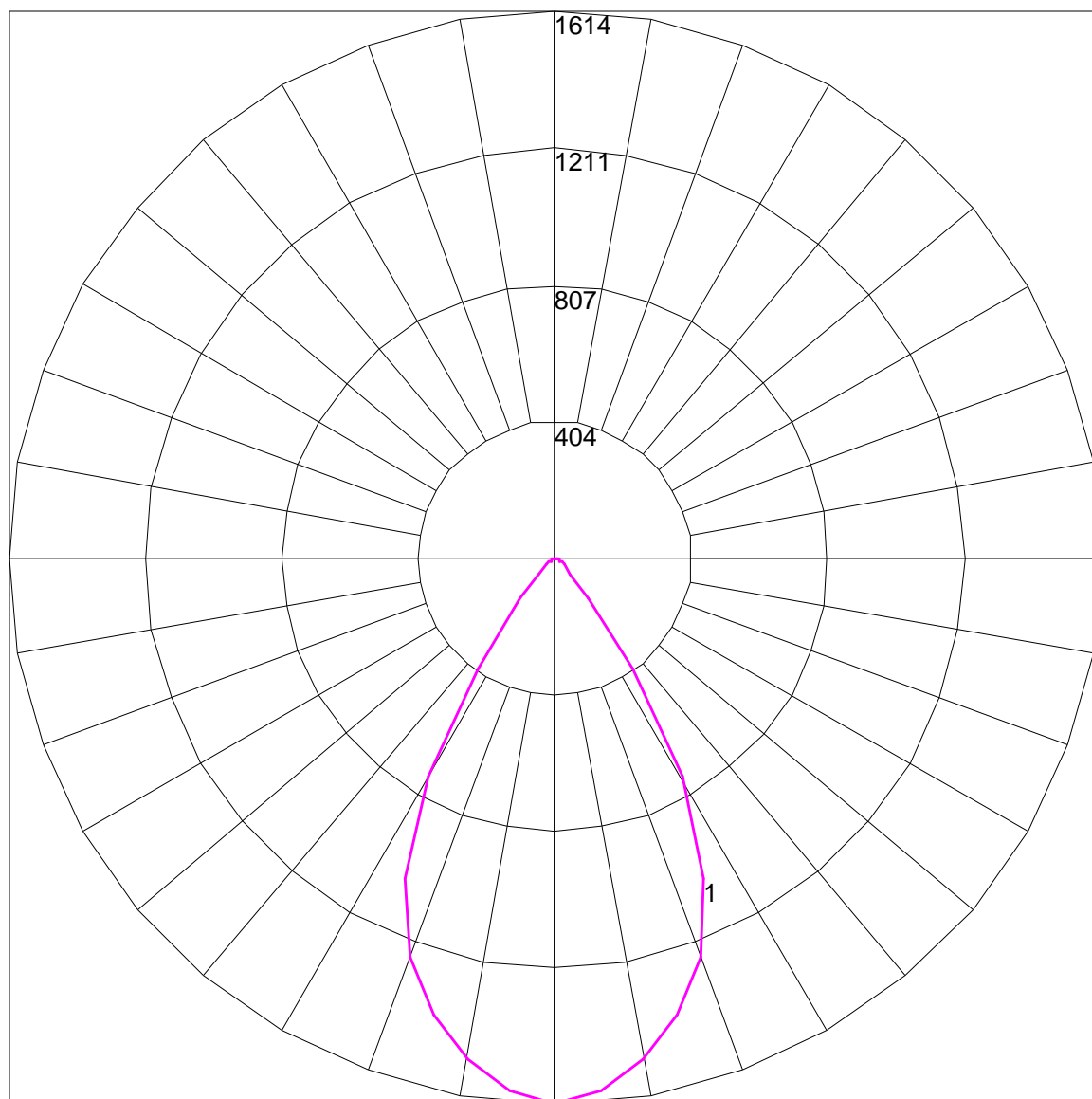
Effective Floor Cavity Reflectance 0.20

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	98	94	98	95	92	95	93	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	63	71	67	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	55	52	51

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POLAR GRAPH



Maximum Candela = 1614.471 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)