

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_7 ~ SR2MRX-XT20LE1-XD2FXXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00544_7
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/21/2017
[UPDATE] 4/19/2017
[LUMCAT] SR2MRx-XT20L-E1-xD2F-xxK-WD-MW-GL
[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, wide Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 50.5 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: SR2MO-XT-series
[OTHER] For Remodel/Retrofit Housing: SR2MR-XT-Series
[OTHER] For RD2F or SD2F Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1709
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.24 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	45582	45901	50141
55	8053	6968	6959
65	2951	3139	2435
75	2060	2845	2318
85	740	0	4068

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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	2264.31	2264.31	2264.31	2264.31	2264.31
5	2218.22	2215.68	2213.72	2212.41	2214.35
10	2064.13	2059.64	2055.12	2062.09	2056.36
15	1794.88	1791.75	1795.14	1801.68	1801.20
20	1452.95	1458.81	1458.58	1462.85	1467.27
25	1146.82	1146.89	1147.89	1145.84	1144.47
30	845.76	844.60	844.90	852.20	847.64
35	545.87	543.43	546.27	547.93	551.30
40	290.21	290.39	289.46	297.44	299.54
45	130.00	128.99	130.91	135.64	143.00
50	30.13	25.63	25.33	23.96	24.29
55	18.63	15.02	16.12	16.20	16.10
60	9.63	9.41	8.91	7.97	7.18
65	5.03	5.27	5.35	4.62	4.15
70	3.92	3.70	3.26	3.48	4.04
75	2.15	2.67	2.97	1.91	2.42
80	1.49	1.60	1.13	1.45	1.33
85	0.26	0.00	0.00	0.00	1.43
90	0.00	0.00	0.00	0.00	0.00

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Zone	Lumens	%Lamp	%Fixt
0-20	703.56	N.A.	41.20
0-30	1229.25	N.A.	71.90
0-40	1574.56	N.A.	92.10
0-60	1700.29	N.A.	99.50
0-80	1708.39	N.A.	100.00
0-90	1708.89	N.A.	100.00
10-90	1502.46	N.A.	87.90
20-40	871.00	N.A.	51.00
20-50	981.92	N.A.	57.50
40-70	131.22	N.A.	7.70
60-80	8.10	N.A.	0.50
70-80	2.62	N.A.	0.20
80-90	0.49	N.A.	0.00
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	1708.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	206.43
10-20	497.13
20-30	525.69
30-40	345.31
40-50	110.92
50-60	14.81
60-70	5.48
70-80	2.62
80-90	0.49
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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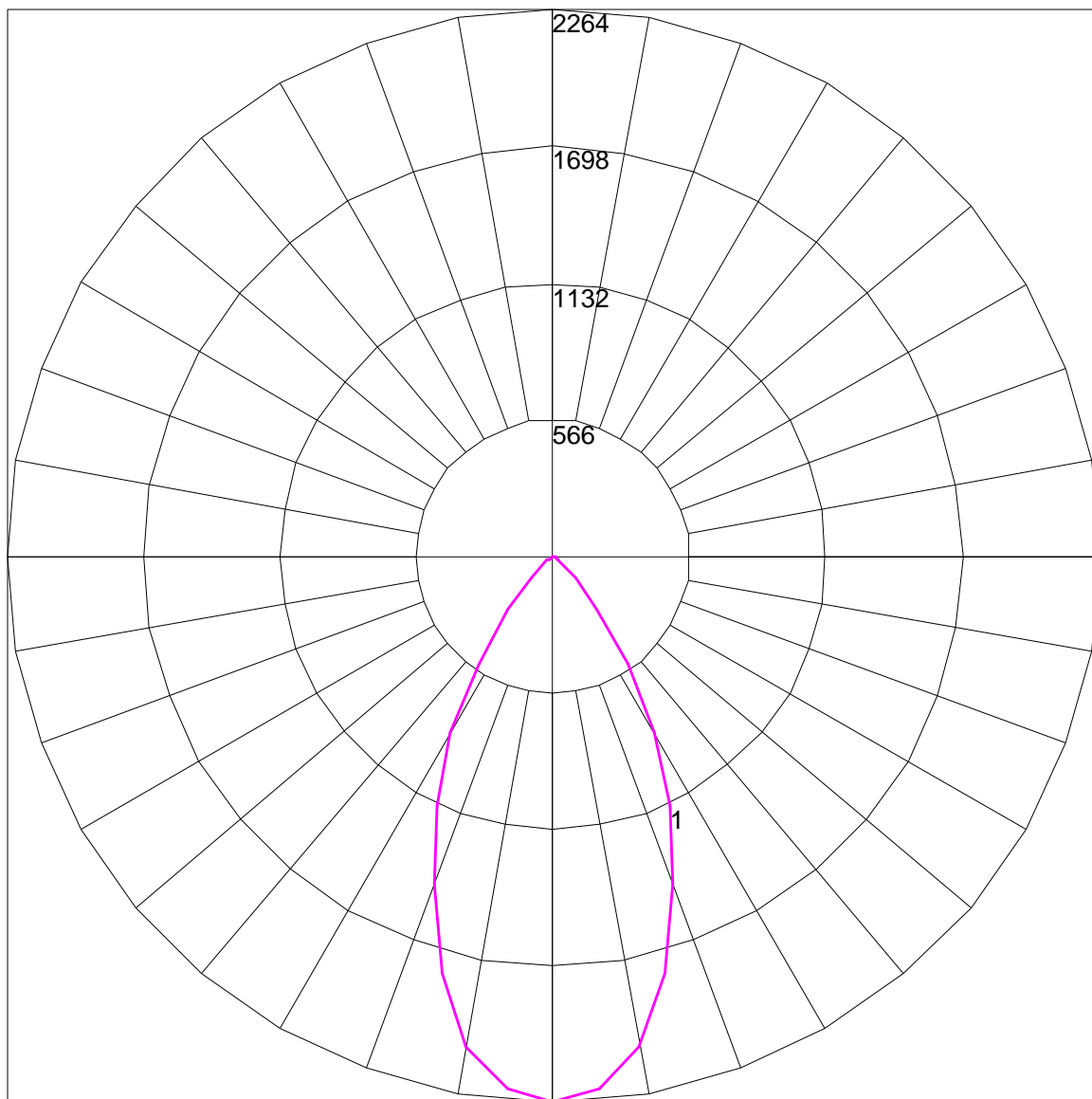
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	109	106	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

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POLAR GRAPH



Maximum Candela = 2264.31 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)