

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_2 ~ SR2MRX-XT10LE1-XD2FXXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00544_2_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 12/28/2016

[UPDATE] 4/19/2017

[LUMCAT] SR2MRx-XT10L-E1-xD2F-xxK-WD-MW-NL

[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Wide Beam

[OTHER] Matte White Trim, No lens

[OTHER] 51.2 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: SR2MO-XT-series

[OTHER] For New Construction IC Rated Housing: SR2MI-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, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	920
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.80
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_2 ~ SR2MRX-XT10LE1-XD2FXXK-WDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	26415	27788	27562
55	993	1064	1102
65	896	933	781
75	860	730	966
85	1695	1479	848

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_2 ~ SR2MRX-XT10LE1-XD2FXXK-WDMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1187.946	1187.946	1187.946	1187.946	1187.946
5	1166.310	1165.518	1164.726	1164.528	1164.330
10	1088.074	1089.698	1091.322	1090.214	1089.106
15	957.209	960.453	963.697	961.422	959.148
20	786.962	790.155	793.346	794.867	796.386
25	612.273	613.157	614.042	614.661	615.280
30	457.274	456.263	455.251	456.388	457.524
35	301.746	302.899	304.052	305.744	307.435
40	165.154	166.373	167.591	168.813	170.036
45	75.335	77.292	79.250	78.928	78.606
50	6.941	10.294	13.647	15.621	17.594
55	2.298	2.380	2.462	2.506	2.549
60	1.791	1.926	2.061	2.162	2.263
65	1.527	1.559	1.591	1.461	1.332
70	1.184	1.150	1.117	1.298	1.478
75	0.898	0.830	0.762	0.885	1.008
80	0.779	0.635	0.492	0.555	0.619
85	0.596	0.558	0.520	0.409	0.298
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_2 ~ SR2MRX-XT10LE1-XD2FXXK-WDMWNL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	374.96	N.A.	40.80
0-30	657.91	N.A.	71.50
0-40	848.66	N.A.	92.30
0-60	916.94	N.A.	99.70
0-80	919.43	N.A.	100.00
0-90	919.85	N.A.	100.00
10-90	811.05	N.A.	88.20
20-40	473.69	N.A.	51.50
20-50	537.59	N.A.	58.40
40-70	69.84	N.A.	7.60
60-80	2.49	N.A.	0.30
70-80	0.93	N.A.	0.10
80-90	0.43	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	919.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	108.80
10-20	266.17
20-30	282.95
30-40	190.75
40-50	63.90
50-60	4.39
60-70	1.56
70-80	0.93
80-90	0.43
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00544_2 ~ SR2MRX-XT10LE1-XD2FXXK-WDMWNL.IES

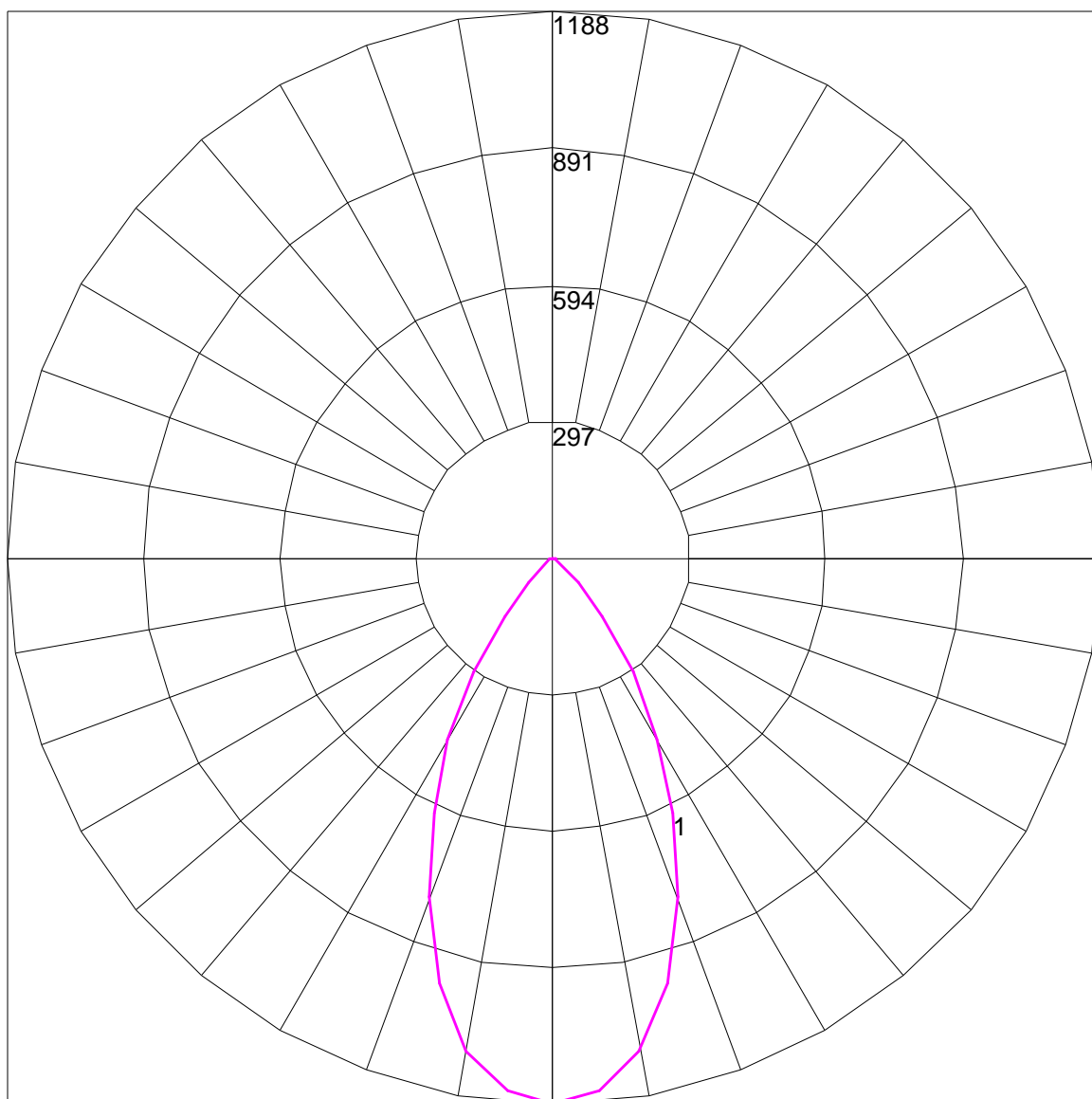
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	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	64	61	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00544_2 ~ SR2MRX-XT10LE1-XD2FXXK-WDMWNL.IES

POLAR GRAPH



Maximum Candela = 1187.946 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)