

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_6 ~ SR2MRX-XT10LE1-XD2FXXK-MDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00544_6_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/20/2017
[UPDATE] 4/19/2017
[LUMCAT] SR2MRx-XT10L-E1-xD2F-xxK-MD-MW-SO
[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Medium Beam
[OTHER] Matte White Trim, Solite lens
[OTHER] 35.3 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	840
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.62
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	12826	14044	16583
55	4320	4920	5727
65	2859	3194	4207
75	1729	1478	1619
85	2065	3112	1869

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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	1777.326	1777.326	1777.326	1777.326	1777.326
5	1699.541	1697.097	1695.769	1703.775	1701.723
10	1456.808	1451.962	1454.447	1460.561	1464.247
15	1082.065	1080.642	1087.876	1099.044	1106.180
20	720.503	720.775	731.194	746.052	753.280
25	458.960	461.131	468.555	481.424	488.674
30	276.445	279.664	286.288	296.739	301.811
35	151.284	152.478	157.373	166.449	171.839
40	75.097	74.867	79.388	87.058	91.260
45	36.579	37.618	40.052	44.938	47.295
50	18.806	18.740	19.786	23.141	25.409
55	9.993	11.357	11.381	13.265	13.249
60	7.492	8.132	9.047	9.783	9.924
65	4.873	5.470	5.444	6.438	7.171
70	3.250	2.767	3.153	3.855	4.156
75	1.805	1.299	1.543	1.567	1.690
80	0.959	0.731	0.988	0.693	1.077
85	0.726	0.688	1.094	0.786	0.657
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	455.91	N.A.	54.30
0-30	678.36	N.A.	80.80
0-40	784.39	N.A.	93.40
0-60	831.53	N.A.	99.00
0-80	839.37	N.A.	99.90
0-90	840.05	N.A.	100.00
10-90	685.58	N.A.	81.60
20-40	328.48	N.A.	39.10
20-50	363.66	N.A.	43.30
40-70	53.06	N.A.	6.30
60-80	7.85	N.A.	0.90
70-80	1.92	N.A.	0.20
80-90	0.68	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	840.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.47
10-20	301.44
20-30	222.45
30-40	106.03
40-50	35.18
50-60	11.96
60-70	5.92
70-80	1.92
80-90	0.68
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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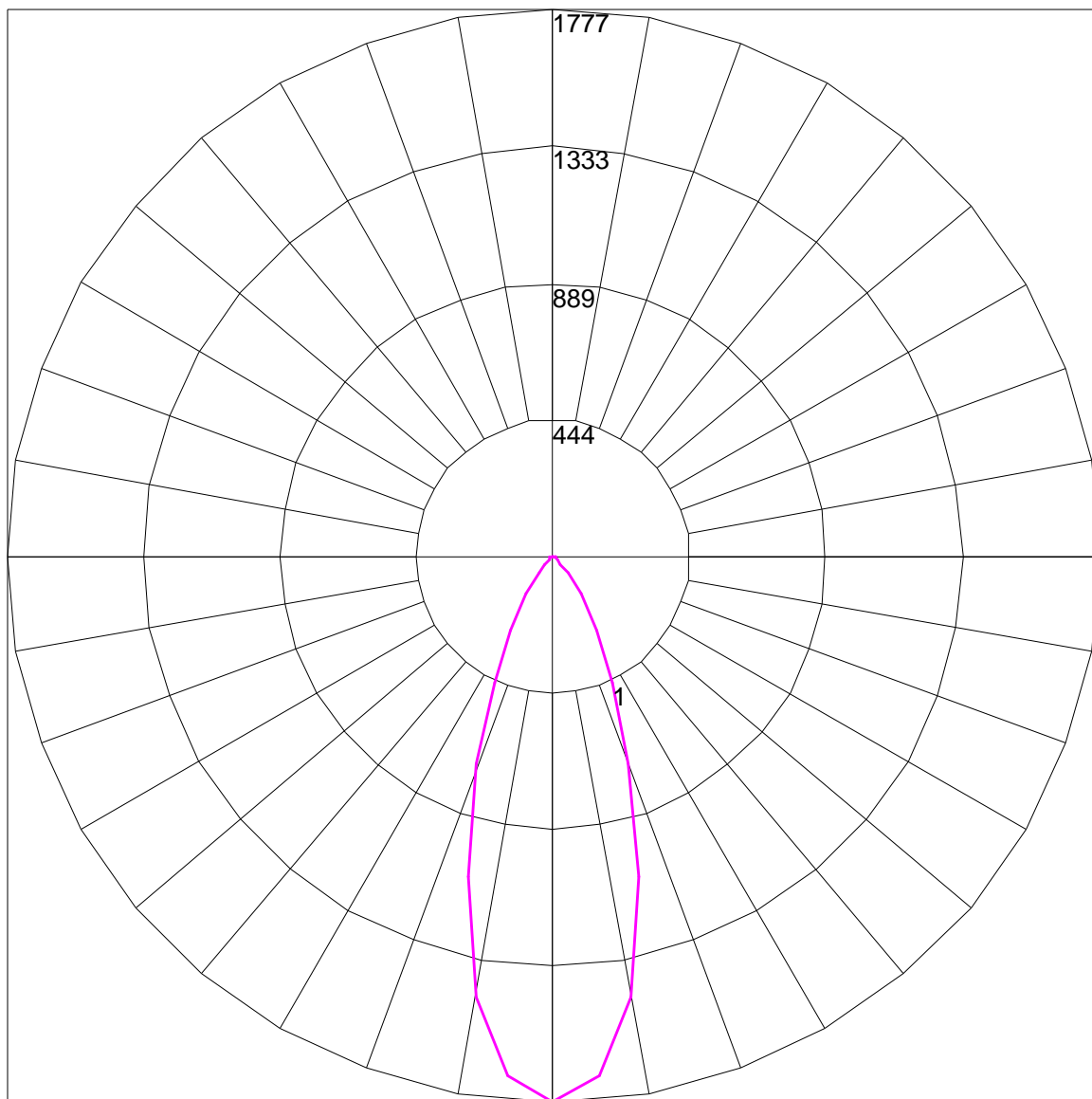
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	72	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59

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POLAR GRAPH



Maximum Candela = 1777.326 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)