

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00544_3 ~ SR2MRX-XT10LE1-XD2FXXK-XNMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00544_3_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/20/2017
 [UPDATE] 4/3/2017
 [LUMCAT] SR2MRx-XT10L-E1-xD2F-xxK-XN-MW-GL
 [LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Xtra Narrow Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 14.6 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 13L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	871
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.26
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	11983	11060	10461
55	5200	5352	5239
65	2955	3203	3245
75	2162	2286	2157
85	0	0	3692

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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	5783.644	5783.644	5783.644	5783.644	5783.644
5	4278.769	4208.205	4096.677	3969.596	3919.995
10	1247.316	1206.275	1310.488	1445.130	1565.610
15	571.465	563.543	551.811	550.294	560.120
20	430.008	430.200	430.927	427.612	425.296
25	397.125	399.778	395.016	396.893	394.189
30	364.670	366.504	366.981	368.098	369.551
35	213.968	214.030	214.455	215.124	226.741
40	55.195	62.571	61.109	63.098	68.191
45	34.176	35.938	31.543	28.858	29.836
50	23.531	25.056	18.344	16.568	16.141
55	12.030	13.530	12.382	11.431	12.121
60	8.107	7.986	8.044	7.772	8.853
65	5.037	4.493	5.459	5.525	5.531
70	4.077	4.468	4.109	4.292	5.164
75	2.257	1.879	2.386	1.966	2.252
80	0.890	1.209	1.005	1.326	1.218
85	0.000	1.305	0.000	0.000	1.298
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	506.57	N.A.	58.20
0-30	689.88	N.A.	79.20
0-40	822.15	N.A.	94.40
0-60	861.86	N.A.	99.00
0-80	870.07	N.A.	99.90
0-90	870.65	N.A.	100.00
10-90	558.13	N.A.	64.10
20-40	315.59	N.A.	36.20
20-50	343.54	N.A.	39.50
40-70	45.35	N.A.	5.20
60-80	8.22	N.A.	0.90
70-80	2.57	N.A.	0.30
80-90	0.58	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	870.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	312.52
10-20	194.04
20-30	183.31
30-40	132.28
40-50	27.96
50-60	11.75
60-70	5.65
70-80	2.57
80-90	0.58
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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	79	75	72	78	74	71	78	74	71	77	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

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Maximum Candela = 5783.644 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)