

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00544_4 ~ SR2MRX-XT10LE1-XD2FXXK-XNMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00544_4_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/20/2017
 [UPDATE] 4/19/2017
 [LUMCAT] SR2MRx-XT10L-E1-xD2F-xxK-XN-MW-SO
 [LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Xtra Narrow Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 17.9 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	878
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)	0.32
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.34
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	18182	17478	23790
55	7673	7065	9512
65	6140	5034	6473
75	2217	3110	2252
85	3641	1548	2987

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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	3784.560	3784.560	3784.560	3784.560	3784.560
5	3052.038	3016.475	3022.245	3037.282	3065.529
10	1592.173	1527.221	1522.668	1618.279	1745.829
15	775.799	741.747	746.012	785.030	866.536
20	482.989	475.753	477.297	491.162	521.624
25	405.017	402.204	403.726	400.590	404.099
30	322.676	324.334	322.000	314.760	312.499
35	197.433	199.207	198.185	194.924	200.628
40	93.934	93.345	95.492	99.987	110.792
45	51.856	50.066	49.848	59.270	67.848
50	27.683	26.807	27.171	34.878	38.066
55	17.751	17.152	16.344	19.831	22.006
60	14.551	14.388	12.999	14.859	17.091
65	10.466	9.982	8.581	9.700	11.033
70	6.575	5.828	6.088	5.774	5.561
75	2.314	2.435	3.247	2.529	2.351
80	1.013	1.059	1.156	1.018	1.327
85	1.280	1.380	0.544	1.276	1.050
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	490.42	N.A.	55.80
0-30	675.13	N.A.	76.90
0-40	800.66	N.A.	91.20
0-60	864.30	N.A.	98.40
0-80	877.42	N.A.	99.90
0-90	878.31	N.A.	100.00
10-90	631.60	N.A.	71.90
20-40	310.24	N.A.	35.30
20-50	355.70	N.A.	40.50
40-70	73.52	N.A.	8.40
60-80	13.11	N.A.	1.50
70-80	3.24	N.A.	0.40
80-90	0.89	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	878.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	246.71
10-20	243.71
20-30	184.71
30-40	125.53
40-50	45.46
50-60	18.18
60-70	9.87
70-80	3.24
80-90	0.89
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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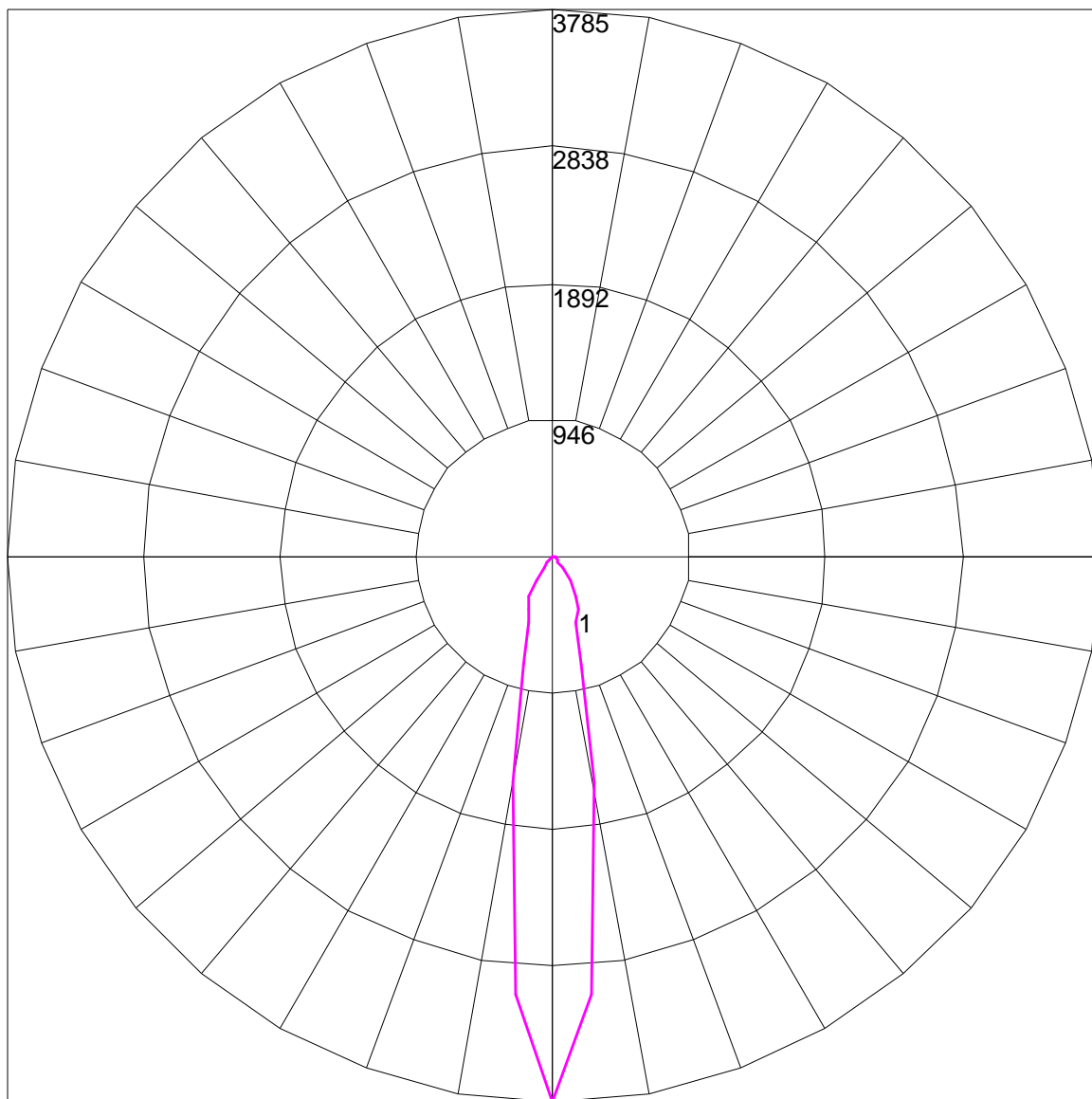
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72
7	88	80	75	72	87	80	75	71	79	74	71	77	74	71	76	73	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	63
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	61

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POLAR GRAPH



Maximum Candela = 3784.56 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)