

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_36 ~ SR3DMX-XT10LE1-RDD3X-XXK-XNMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_36_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 2/15/2017

[UPDATE] 4/25/2017

[LUMCAT] SR3DMx-XT10L-E1-RDD3x-xxK-XN-MW-NL

[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Xtra Narrow Beam

[OTHER] Matte White Trim, No Lens

[OTHER] 11.5 Degree Beam Angle

[LAMP] N/A, 9mm LES

[LAMPCAT] N/A, Min. 83 CRI

[OTHER] Total Luminaire Watts is approximate

[OTHER] For New Construction Non-IC Housing: SR3DMO-XT-series

[OTHER] For New Construction IC Rated Housing: SR3DMI-XT-Series

[OTHER] For Remodel/Retrofit Housing: SR3DMR-XT-Series

[OTHER] For RDD3F or RDD3N 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	942
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2838	2758	2346
55	3282	2972	3053
65	3587	4018	3269
75	3978	3177	3359
85	9437	7840	0

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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	9383.906	9383.906	9383.906	9383.906	9383.906
5	5533.262	6095.721	5999.868	5943.430	6071.606
10	1220.867	1736.989	1474.278	1752.825	1635.001
15	511.061	597.195	534.912	537.910	524.295
20	429.045	464.397	429.378	412.151	407.689
25	385.247	412.766	386.949	362.802	364.824
30	292.098	301.212	267.361	276.705	251.255
35	82.025	113.459	93.982	87.692	89.168
40	12.795	18.883	14.568	14.852	13.147
45	12.497	14.156	12.144	10.408	10.330
50	11.304	13.305	11.487	9.611	10.630
55	11.723	11.866	10.614	9.431	10.906
60	9.674	11.510	10.573	8.914	11.227
65	9.441	8.963	10.575	7.498	8.602
70	6.697	7.370	7.634	7.169	7.875
75	6.412	6.823	5.120	5.889	5.413
80	4.903	4.291	3.936	4.451	4.886
85	5.122	4.592	4.255	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	661.66	N.A.	70.20
0-30	831.17	N.A.	88.20
0-40	904.74	N.A.	96.00
0-60	924.24	N.A.	98.10
0-80	939.33	N.A.	99.70
0-90	942.08	N.A.	100.00
10-90	488.26	N.A.	51.80
20-40	243.08	N.A.	25.80
20-50	252.87	N.A.	26.80
40-70	28.35	N.A.	3.00
60-80	15.10	N.A.	1.60
70-80	6.24	N.A.	0.70
80-90	2.75	N.A.	0.30
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	942.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	453.82
10-20	207.84
20-30	169.51
30-40	73.57
40-50	9.79
50-60	9.71
60-70	8.86
70-80	6.24
80-90	2.75
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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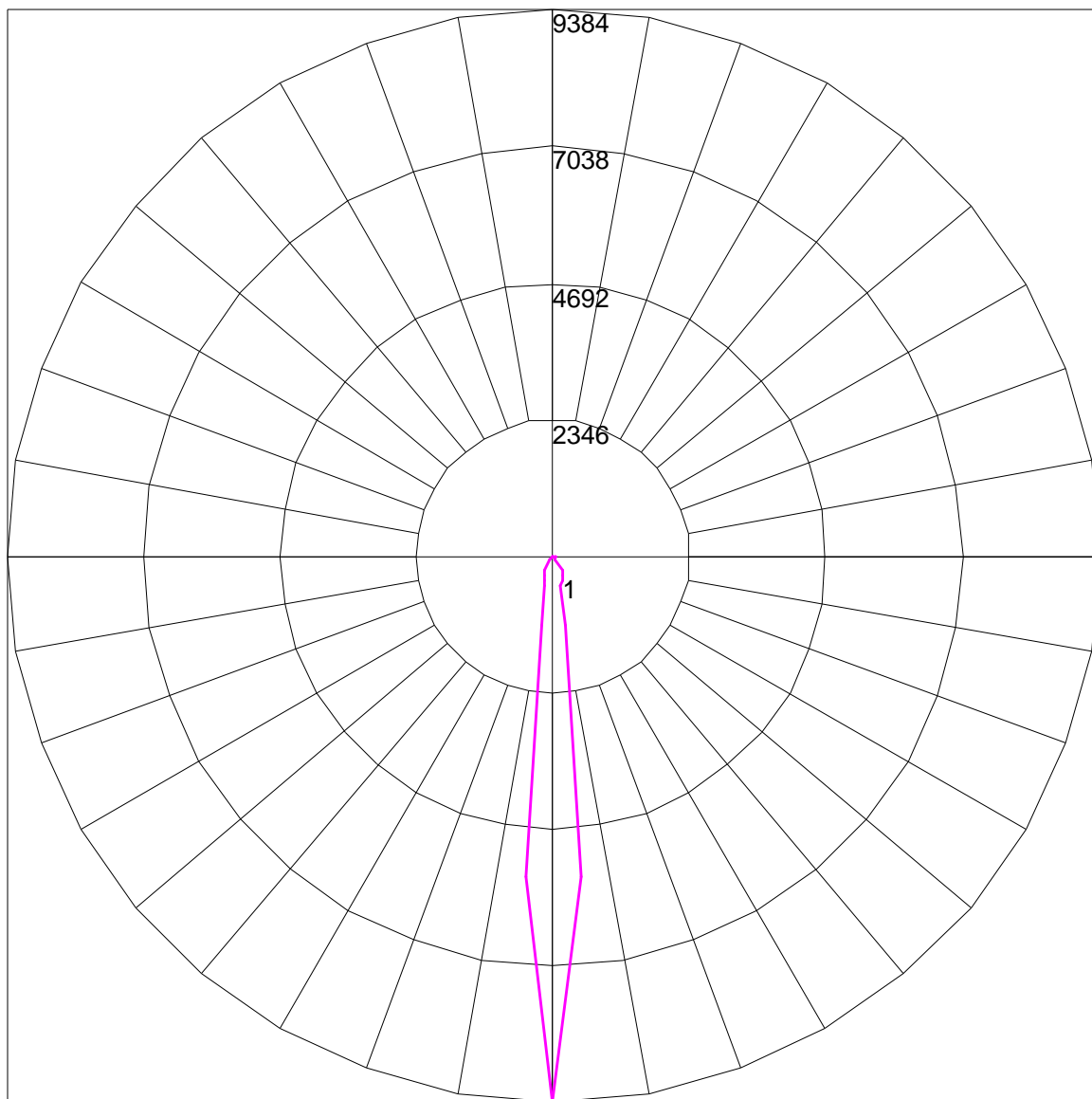
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	110	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	101	95	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	84
6	98	91	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	89	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79	84	81	78	83	80	78	77
9	90	84	80	77	90	83	79	77	83	79	77	82	79	76	81	78	76	75
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

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POLAR GRAPH



Maximum Candela = 9383.906 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)