

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_42 ~ SR3DMX-XT10LE1-RDD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_42_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT10L-E1-RDD3x-xxK-MD-MW-NL
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 45.9 Degree Beam Angle
[LAMP] N/A, 19mm
[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	863
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.74
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	2816	3337	2816
55	2083	2400	2083
65	1538	1907	1538
75	910	1228	910
85	1373	1340	1373

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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	1691.650	1691.650	1691.650	1691.650	1691.650
5	1585.114	1613.545	1647.424	1613.545	1585.114
10	1342.486	1393.541	1456.950	1393.541	1342.486
15	1134.090	1181.682	1235.878	1181.682	1134.090
20	890.898	966.502	1031.953	966.502	890.898
25	571.864	656.654	747.690	656.654	571.864
30	214.228	298.747	403.061	298.747	214.228
35	34.076	59.367	101.540	59.367	34.076
40	19.099	20.630	20.516	20.630	19.099
45	12.398	14.560	14.693	14.560	12.398
50	9.661	11.168	11.825	11.168	9.661
55	7.440	8.049	8.573	8.049	7.440
60	5.740	6.343	6.653	6.343	5.740
65	4.048	4.248	5.019	4.248	4.048
70	2.422	2.872	3.472	2.872	2.422
75	1.467	1.351	1.979	1.351	1.467
80	0.850	1.053	0.927	1.053	0.850
85	0.745	0.796	0.727	0.796	0.745
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	477.27	N.A.	55.30
0-30	769.14	N.A.	89.10
0-40	837.20	N.A.	97.00
0-60	856.04	N.A.	99.20
0-80	862.31	N.A.	99.90
0-90	862.99	N.A.	100.00
10-90	715.73	N.A.	82.90
20-40	359.93	N.A.	41.70
20-50	371.33	N.A.	43.00
40-70	23.27	N.A.	2.70
60-80	6.27	N.A.	0.70
70-80	1.83	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	862.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	147.26
10-20	330.01
20-30	291.87
30-40	68.07
40-50	11.40
50-60	7.43
60-70	4.44
70-80	1.83
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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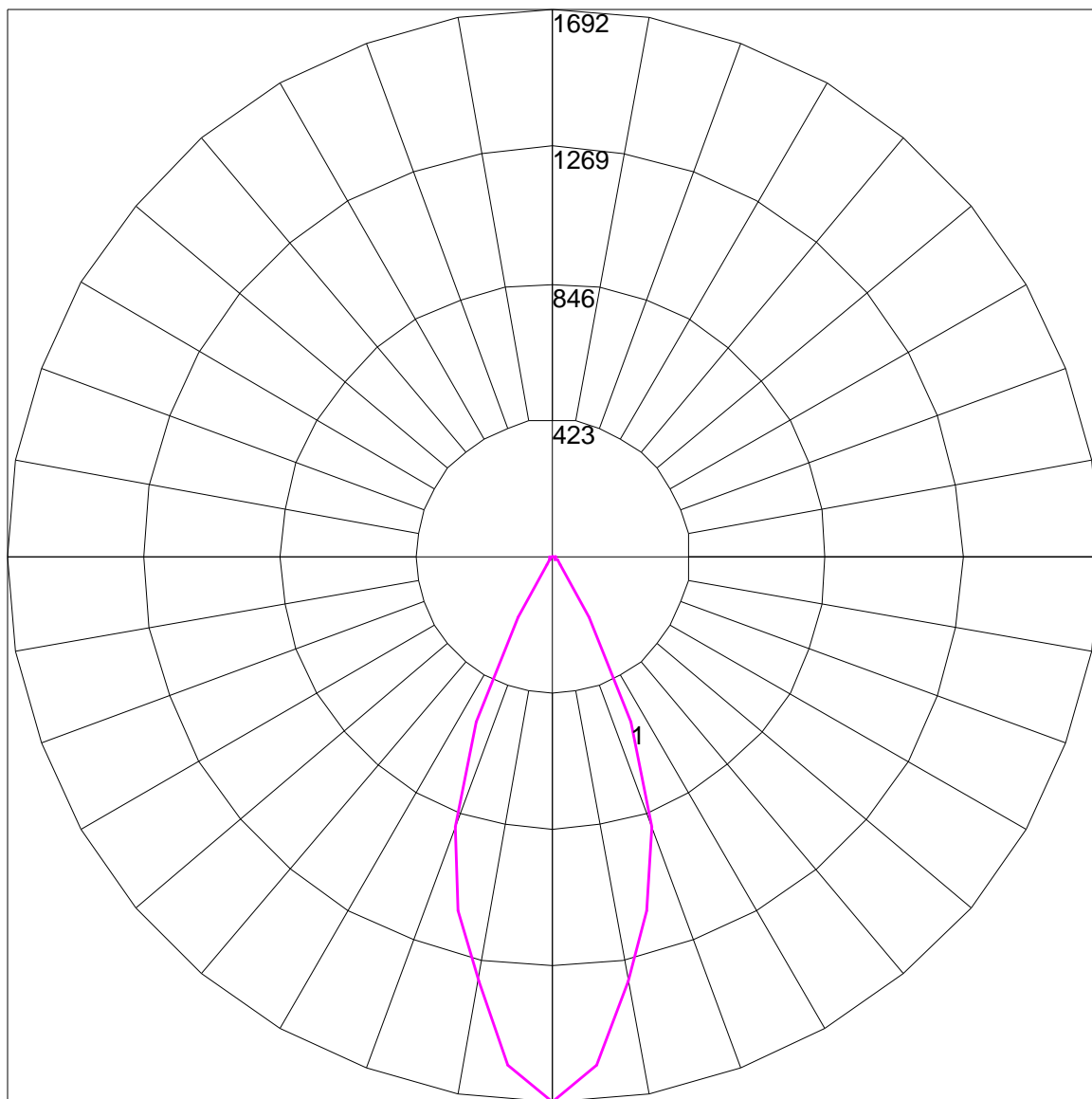
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	70
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	68	66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	65	63
10	79	71	66	62	78	70	65	62	70	65	62	69	65	62	68	64	62	61

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POLAR GRAPH



Maximum Candela = 1691.65 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)