

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT13LE1-RDD3X-XXK-MDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_44_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/14/2017
[UPDATE] 4/27/2017
[LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-MD-MW-GL
[LUMINAIRE] Nominal 3" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 46 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: 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	1285
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.78
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	5556	6561	5556
55	3777	4936	3777
65	3338	4132	3338
75	1508	1655	1508
85	2322	2012	2322

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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	2183.141	2183.141	2183.141	2183.141	2183.141
5	2078.509	2114.999	2143.747	2114.999	2078.509
10	1839.631	1926.664	1988.791	1926.664	1839.631
15	1545.554	1626.523	1681.390	1626.523	1545.554
20	1267.040	1356.693	1411.933	1356.693	1267.040
25	889.067	1004.054	1086.777	1004.054	889.067
30	444.090	573.944	666.694	573.944	444.090
35	102.874	160.840	217.373	160.840	102.874
40	35.998	42.533	47.156	42.533	35.998
45	24.464	27.459	28.889	27.459	24.464
50	17.844	20.515	21.431	20.515	17.844
55	13.489	15.904	17.631	15.904	13.489
60	10.687	11.572	12.906	11.572	10.687
65	8.785	10.588	10.874	10.588	8.785
70	5.030	7.111	7.387	7.111	5.030
75	2.431	3.079	2.668	3.079	2.431
80	1.331	1.581	1.380	1.581	1.331
85	1.260	1.171	1.092	1.171	1.260
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	650.28	N.A.	50.60
0-30	1093.63	N.A.	85.10
0-40	1234.21	N.A.	96.10
0-60	1270.66	N.A.	98.90
0-80	1283.87	N.A.	99.90
0-90	1284.91	N.A.	100.00
10-90	1089.26	N.A.	84.80
20-40	583.93	N.A.	45.40
20-50	606.25	N.A.	47.20
40-70	46.04	N.A.	3.60
60-80	13.22	N.A.	1.00
70-80	3.62	N.A.	0.30
80-90	1.04	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	1284.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	195.65
10-20	454.63
20-30	443.35
30-40	140.58
40-50	22.32
50-60	14.12
60-70	9.59
70-80	3.62
80-90	1.04
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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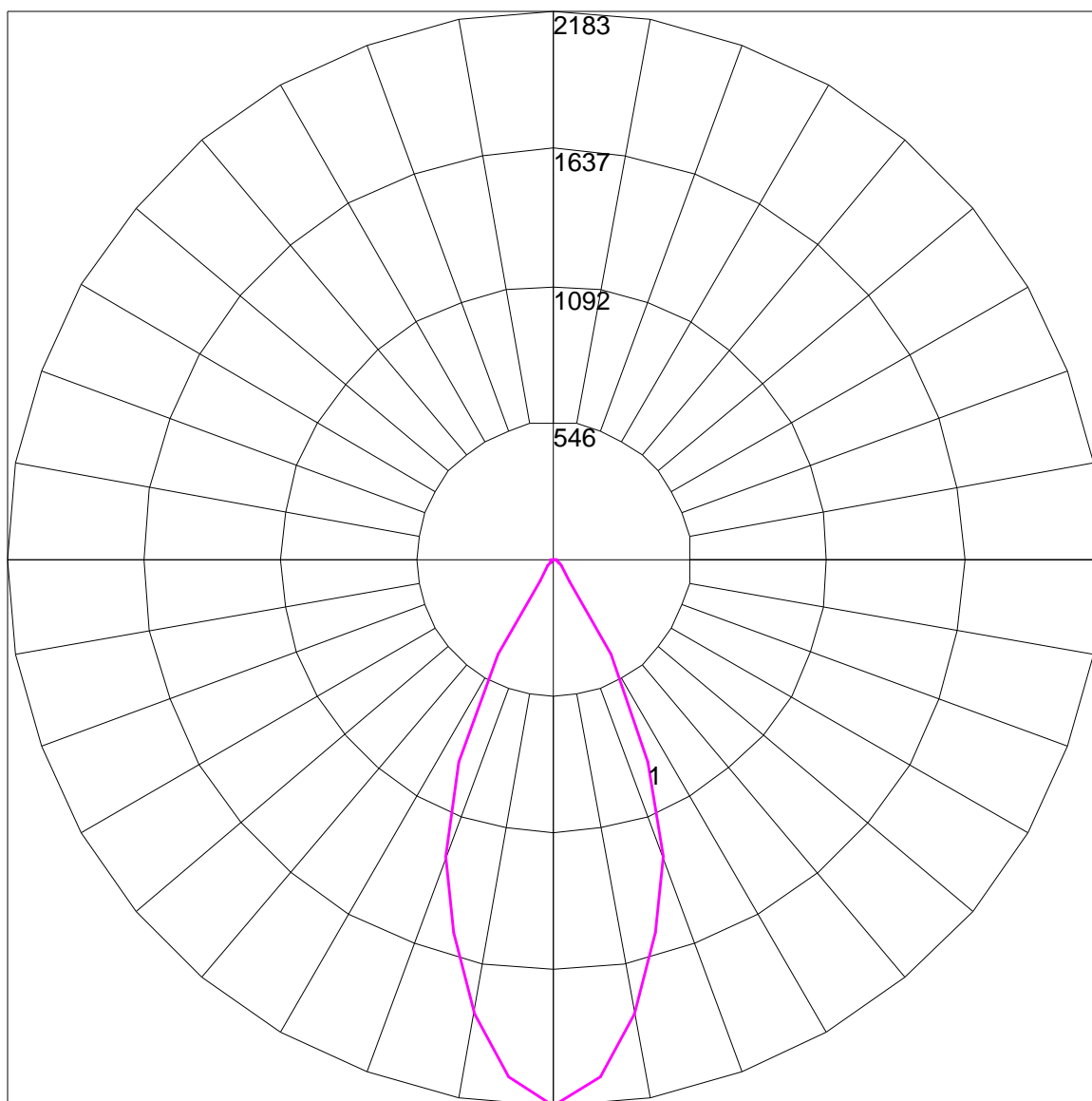
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	90	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	81	86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	63	70	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	60	67	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 2183.141 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)