

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDX4XT-13LXXKWDE1-RD4XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltiopics.com/ies

[ISSUEDATE]

[TESTDATE] Tue Jul 14 2015

[UPDATE] Thu Oct 22 2015

[TEST] SP-00480\_1\_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-13L-xxK-WD-E1-RD4x-SG-SOX

[LUMINAIRE] 4" aperture, Wide Beam

[TRIM] Semi-diffuse, regressed Solite Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: RDFI4, RDFO4, RDZI4, and RDZO4 series

[OTHER] For Trims: RD4F and RD4N series with SOX or SOW

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 50L report

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	919
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.74
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RDX4XT-13LXXKWDE1-RD4XSGSOX.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : RDX4XT-13LXXKWDE1-RD4XSGSOX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	1430.112	1430.112	1430.112	1430.112	1430.112
<b>5</b>	1396.218	1403.228	1397.349	1395.644	1407.479
<b>10</b>	1334.606	1324.209	1340.654	1331.793	1330.750
<b>15</b>	1182.753	1177.738	1182.750	1180.803	1164.158
<b>20</b>	925.207	933.343	934.752	937.604	930.517
<b>25</b>	619.606	623.563	624.793	623.288	620.701
<b>30</b>	339.508	342.633	342.883	343.632	341.331
<b>35</b>	152.797	153.083	153.429	153.504	150.907
<b>40</b>	75.538	75.608	75.382	74.721	74.901
<b>45</b>	48.480	47.988	47.910	47.928	47.489
<b>50</b>	32.841	31.486	31.312	31.769	31.928
<b>55</b>	20.589	20.173	19.929	20.010	20.046
<b>60</b>	12.652	13.083	12.670	12.971	13.065
<b>65</b>	6.287	6.243	6.786	6.851	6.588
<b>70</b>	0.660	0.874	0.985	1.505	2.215
<b>75</b>	0.476	0.751	0.835	3.874	5.018
<b>80</b>	0.507	2.470	2.148	4.046	4.625
<b>85</b>	0.195	0.814	1.264	1.453	1.477
<b>90</b>	0.036	0.382	0.863	0.913	1.045

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RDX4XT-13LXXKWDE1-RD4XSGSOX.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	454.57	N.A.	49.50
0-30	739.97	N.A.	80.50
0-40	850.99	N.A.	92.60
0-60	908.80	N.A.	98.90
0-80	917.65	N.A.	99.80
0-90	919.20	N.A.	100.00
10-90	787.64	N.A.	85.70
20-40	396.41	N.A.	43.10
20-50	435.33	N.A.	47.40
40-70	64.52	N.A.	7.00
60-80	8.85	N.A.	1.00
70-80	2.15	N.A.	0.20
80-90	1.54	N.A.	0.20
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	919.20	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	131.55
10-20	323.02
20-30	285.40
30-40	111.02
40-50	38.91
50-60	18.90
60-70	6.70
70-80	2.15
80-90	1.54
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

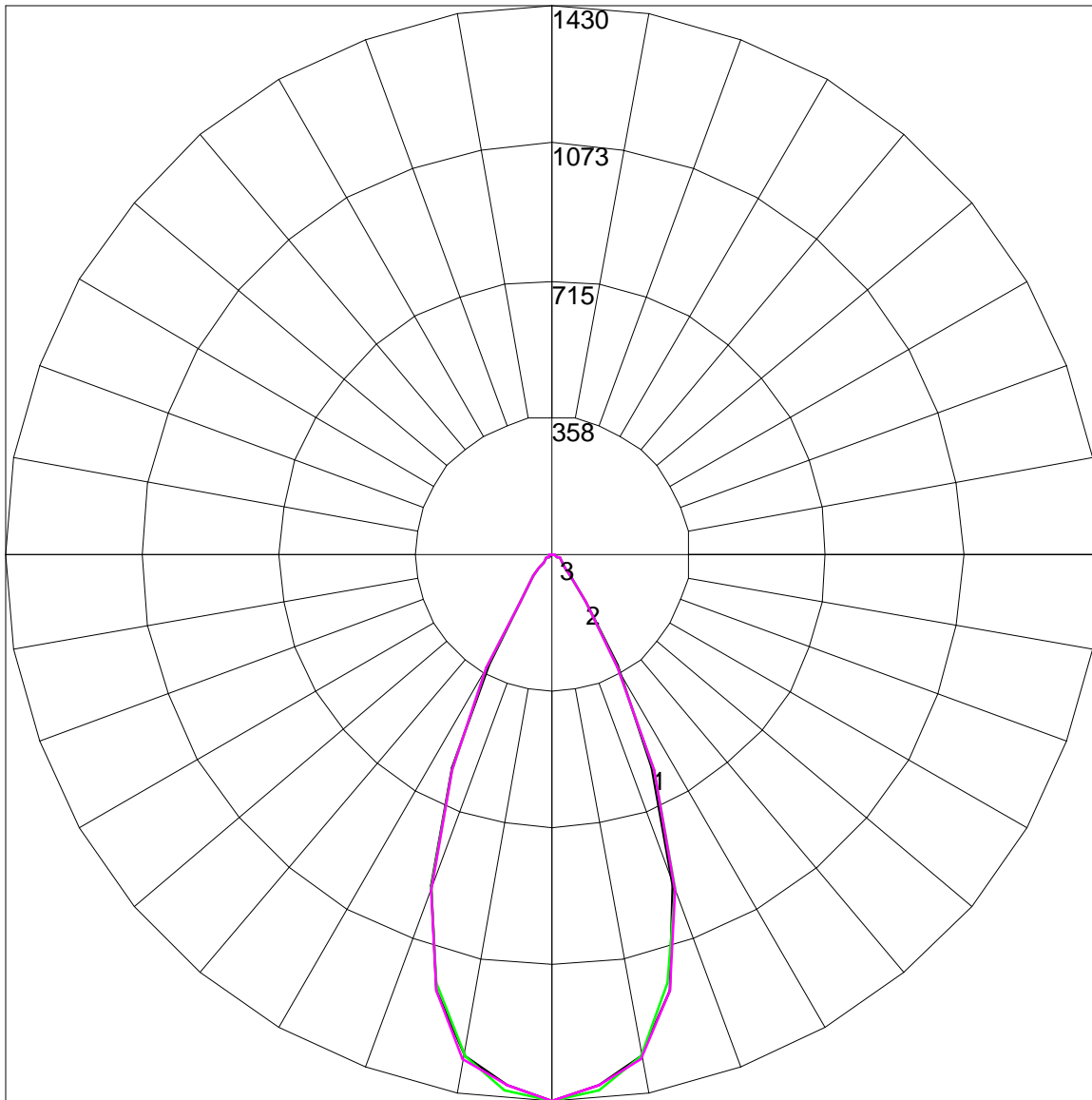
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RDX4XT-13LXXKWDE1-RD4XSGSOX.IES**

**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	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83
4	99	92	87	83	97	91	86	82	88	84	81	86	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	73	71	69
7	86	78	72	68	85	77	72	68	76	71	67	74	70	67	73	70	67	65
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	64	60	67	63	60	59
10	76	67	61	58	75	66	61	58	66	61	58	65	61	57	64	60	57	56

POLAR GRAPH



Maximum Candela = 1430.112 Located At Horizontal Angle = 0, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Vertical Plane Through Horizontal Angles (90 - 270)

# 3 - Vertical Plane Through Horizontal Angles (45 - 225)