

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDXX4XT-13LXXKNDE1-RD4XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUE DATE]

[TEST DATE] Tue Sep 08 2015

[UPDATE] Wed Nov 4 2015

[TEST] SP-00480\_4\_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-13L-xxK-ND-E1-RD4x-SG-GLX

[LUMINAIRE] 4" aperture, Narrow Beam

[TRIM] Semi-diffuse, regressed clear glass 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 GLX or GLW

[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	1115
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.46
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 : RDXX4XT-13LXXKNDE1-RD4XSGGLX.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 : RDXX4XT-13LXXKNDE1-RD4XSGGLX.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>	4212.221	4212.221	4212.221	4212.221	4212.221
<b>5</b>	4026.565	4028.580	4038.341	4057.185	4058.306
<b>10</b>	3030.869	3049.038	3061.214	3049.745	3024.120
<b>15</b>	1698.780	1707.667	1711.707	1709.120	1720.311
<b>20</b>	750.877	760.539	762.593	761.361	761.485
<b>25</b>	447.725	447.556	447.026	449.693	450.759
<b>30</b>	242.182	241.584	241.345	243.669	242.676
<b>35</b>	41.231	42.728	42.580	40.615	41.621
<b>40</b>	12.327	11.887	12.241	11.196	10.738
<b>45</b>	7.314	6.388	6.412	5.364	5.512
<b>50</b>	5.096	4.365	4.046	4.014	3.775
<b>55</b>	4.033	3.229	2.985	3.466	3.567
<b>60</b>	2.015	2.093	2.103	2.480	2.509
<b>65</b>	1.245	1.591	1.758	1.815	2.044
<b>70</b>	0.234	0.434	0.406	0.845	1.370
<b>75</b>	0.156	0.580	0.455	2.405	3.247
<b>80</b>	0.083	2.327	1.474	3.110	3.588
<b>85</b>	0.068	0.187	0.395	0.406	0.447
<b>90</b>	0.013	0.036	0.192	0.250	0.221

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RDXX4XT-13LXXKNDE1-RD4XSGGLX.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	837.93	N.A.	75.20
0-30	1052.09	N.A.	94.40
0-40	1102.86	N.A.	98.90
0-60	1111.2	N.A.	99.70
0-80	1114.17	N.A.	99.90
0-90	1114.98	N.A.	100.00
10-90	762.73	N.A.	68.40
20-40	264.92	N.A.	23.80
20-50	270.32	N.A.	24.20
40-70	9.89	N.A.	0.90
60-80	2.97	N.A.	0.30
70-80	1.43	N.A.	0.10
80-90	0.80	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	1114.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	352.25
10-20	485.68
20-30	214.15
30-40	50.77
40-50	5.40
50-60	2.94
60-70	1.55
70-80	1.43
80-90	0.80
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

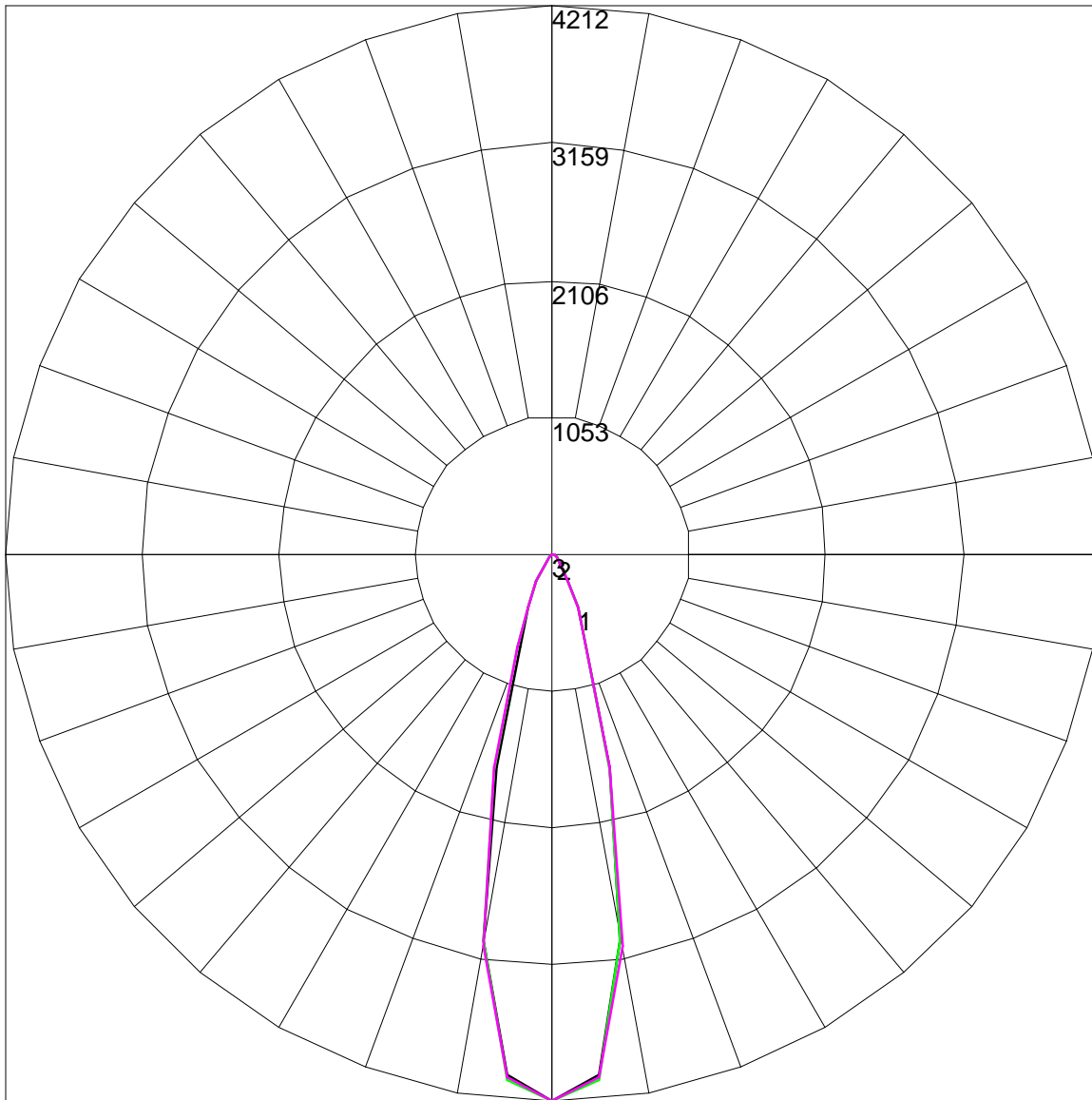
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RDXX4XT-13LXXKNDE1-RD4XSGGLX.IES**

**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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	92	85	80	77	91	84	80	77	83	80	77	82	79	77	82	79	76	75
9	89	82	78	75	88	82	78	75	81	77	75	80	77	74	79	76	74	73
10	87	80	75	73	86	79	75	73	79	75	72	78	75	72	77	74	72	71

POLAR GRAPH



Maximum Candela = 4212.221 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)