

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-30LXXKNDE1-RD4XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Tue Sep 08 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00480_4_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-30L-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: RDFO4 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	2573
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	34.6
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-30LXXKNDE1-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-30LXXKNDE1-RD4XSGGLX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	9720.510	9720.510	9720.510	9720.510	9720.510
5	9292.074	9296.724	9319.248	9362.736	9365.322
10	6994.314	7036.242	7064.340	7037.874	6978.738
15	3920.262	3940.770	3950.094	3944.124	3969.948
20	1732.794	1755.090	1759.830	1756.986	1757.274
25	1033.212	1032.822	1031.598	1037.754	1040.214
30	558.882	557.502	556.950	562.314	560.022
35	95.148	98.604	98.262	93.726	96.048
40	28.446	27.432	28.248	25.836	24.780
45	16.878	14.742	14.796	12.378	12.720
50	11.760	10.074	9.336	9.264	8.712
55	9.306	7.452	6.888	7.998	8.232
60	4.650	4.830	4.854	5.724	5.790
65	2.874	3.672	4.056	4.188	4.716
70	0.540	1.002	0.936	1.950	3.162
75	0.360	1.338	1.050	5.550	7.494
80	0.192	5.370	3.402	7.176	8.280
85	0.156	0.432	0.912	0.936	1.032
90	0.030	0.084	0.444	0.576	0.510

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDXX4XT-30LXXKNDE1-RD4XSGGLX.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1933.69	N.A.	75.20
0-30	2427.89	N.A.	94.40
0-40	2545.05	N.A.	98.90
0-60	2564.31	N.A.	99.70
0-80	2571.17	N.A.	99.90
0-90	2573.03	N.A.	100.00
10-90	1760.14	N.A.	68.40
20-40	611.36	N.A.	23.80
20-50	623.83	N.A.	24.20
40-70	22.82	N.A.	0.90
60-80	6.86	N.A.	0.30
70-80	3.29	N.A.	0.10
80-90	1.86	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	2573.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	812.89
10-20	1120.8
20-30	494.20
30-40	117.16
40-50	12.46
50-60	6.80
60-70	3.57
70-80	3.29
80-90	1.86
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

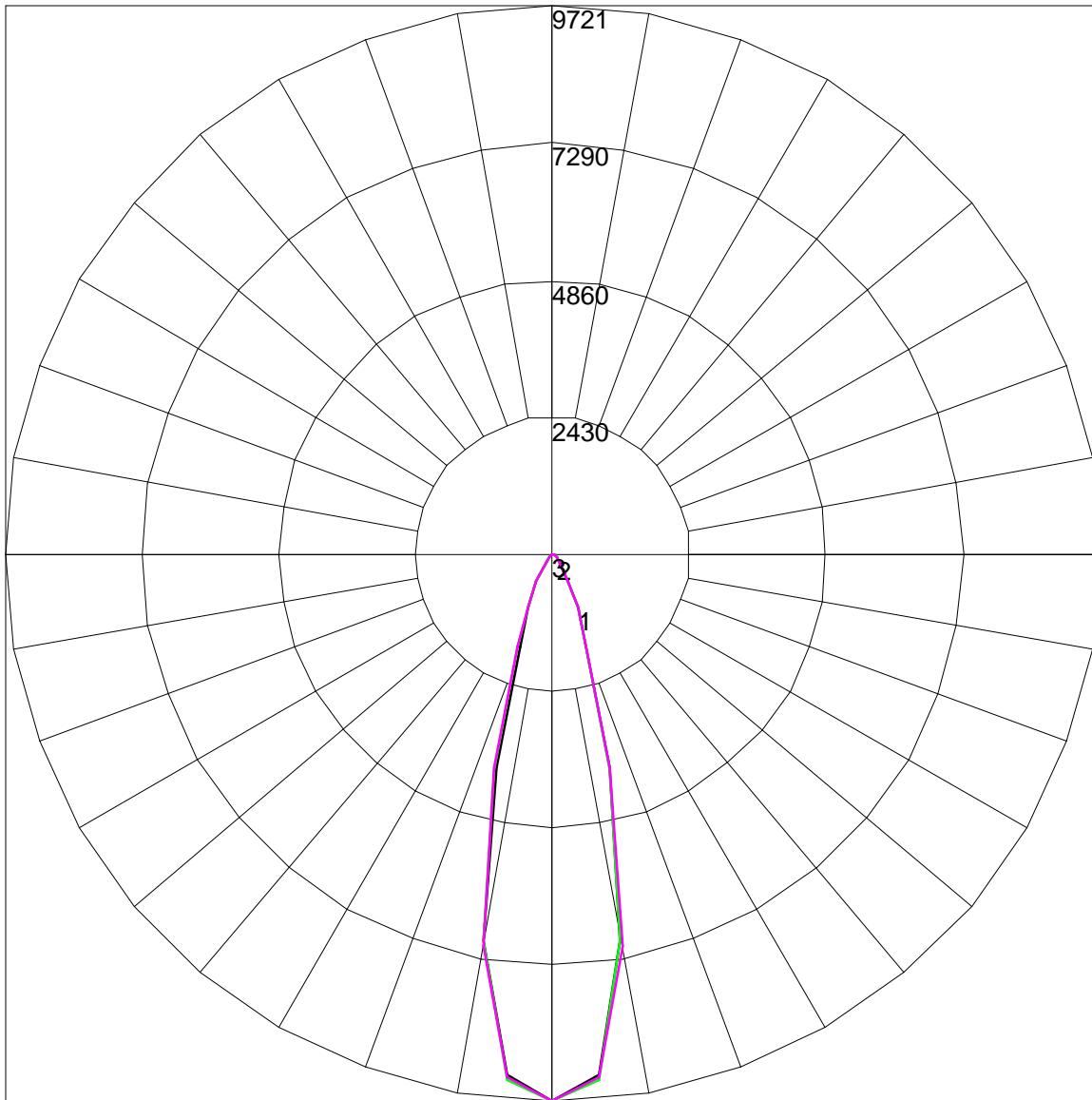
IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDXX4XT-30LXXKNDE1-RD4XSGGLX.IES

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 = 9720.51 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)