

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDX4XT-40LXXKWDE1-RD4XSGSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Tue Jul 14 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00480_1_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDxx4LEDXT-40L-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: RDFO4 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	2722
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	39.9
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-40LXXKWDE1-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-40LXXKWDE1-RD4XSGSOX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4235.331	4235.331	4235.331	4235.331	4235.331
5	4134.954	4155.713	4138.303	4133.252	4168.302
10	3952.487	3921.695	3970.397	3944.156	3941.068
15	3502.768	3487.915	3502.761	3496.993	3447.698
20	2740.037	2764.131	2768.304	2776.751	2755.761
25	1834.987	1846.706	1850.348	1845.890	1838.229
30	1005.466	1014.721	1015.461	1017.678	1010.864
35	452.514	453.361	454.385	454.608	446.916
40	223.708	223.916	223.246	221.290	221.822
45	143.574	142.119	141.888	141.942	140.640
50	97.259	93.247	92.731	94.086	94.556
55	60.976	59.744	59.020	59.259	59.367
60	37.468	38.746	37.522	38.415	38.692
65	18.619	18.488	20.097	20.289	19.512
70	1.956	2.587	2.918	4.458	6.560
75	1.409	2.225	2.472	11.473	14.861
80	1.501	7.315	6.360	11.981	13.698
85	0.577	2.410	3.742	4.304	4.374
90	0.108	1.132	2.556	2.703	3.095

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDX4XT-40LXXKWDE1-RD4XSGSOX.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1346.23	N.A.	49.50
0-30	2191.44	N.A.	80.50
0-40	2520.23	N.A.	92.60
0-60	2691.44	N.A.	98.90
0-80	2717.66	N.A.	99.80
0-90	2722.23	N.A.	100.00
10-90	2332.63	N.A.	85.70
20-40	1174.00	N.A.	43.10
20-50	1289.23	N.A.	47.40
40-70	191.07	N.A.	7.00
60-80	26.22	N.A.	1.00
70-80	6.37	N.A.	0.20
80-90	4.57	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	2722.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	389.60
10-20	956.63
20-30	845.21
30-40	328.79
40-50	115.24
50-60	55.98
60-70	19.85
70-80	6.37
80-90	4.57
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

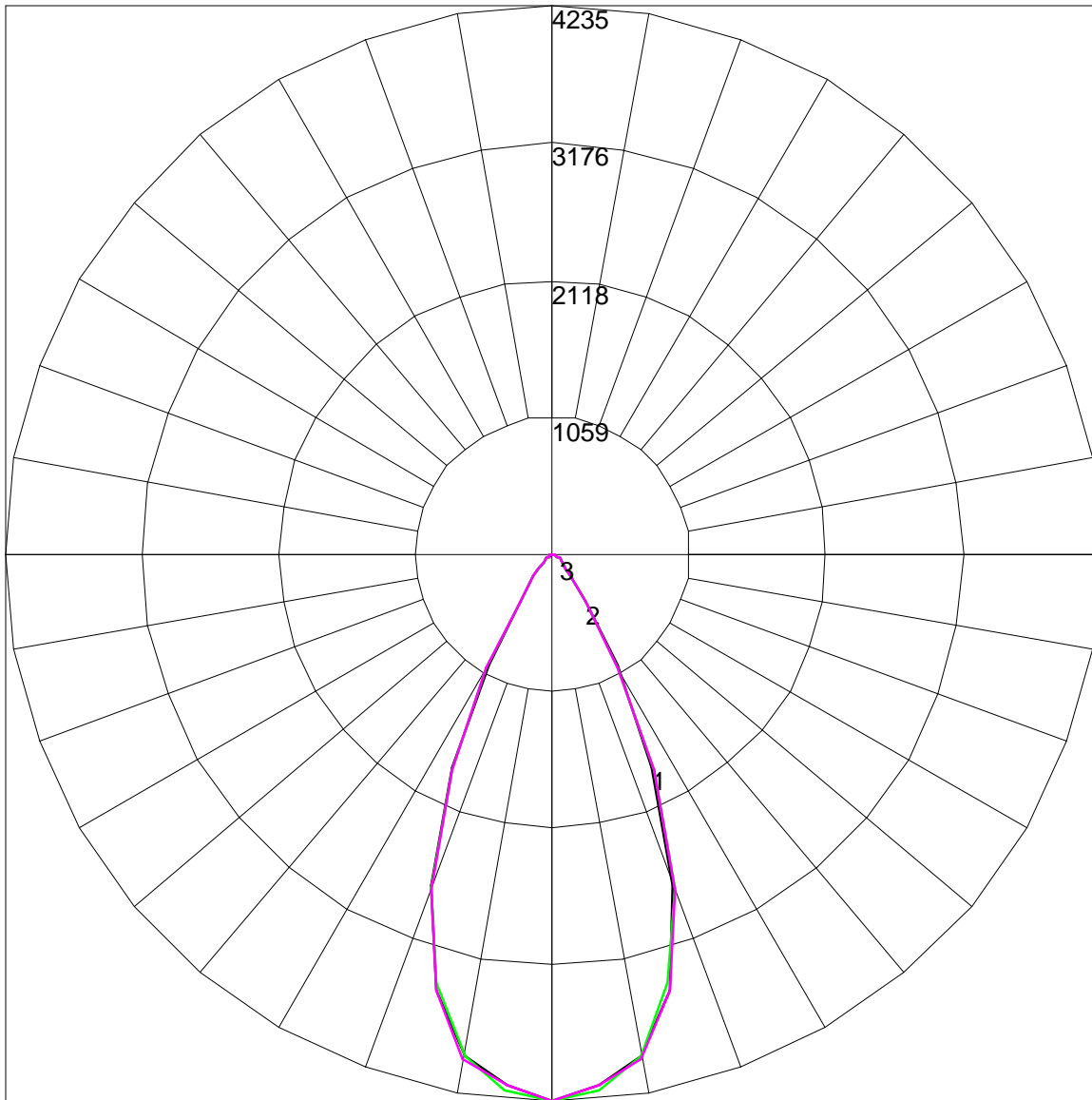
IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDX4XT-40LXXKWDE1-RD4XSGSOX.IES

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	86	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	71	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 = 4235.331 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)