

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDXX4XT-13LXXKXNE1-RD4XSGGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Fri Aug 05 2016

[UPDATE] Thu Sep 29 2016

[TEST] SP-00480_20_M-13L

[MANUFAC] Spectrum Lighting

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

[LUMINAIRE] 4" aperture, Xtra Narrow Beam

[TRIM] Semi-diffuse, regressed clear glass Lens

[LAMP] N/A, 9mm, 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 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	855
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.20
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.22
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-13LXXKXNE1-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-13LXXKXNE1-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	10555.720	10555.720	10555.720	10555.720	10555.720
5	5912.816	5948.429	5921.799	5995.749	6082.986
10	931.749	1182.460	1452.737	1254.051	1062.269
15	421.824	426.738	433.634	427.004	420.199
20	342.491	340.476	341.737	338.916	341.874
25	293.026	288.957	292.818	292.344	290.348
30	241.039	242.034	244.276	241.832	240.266
35	161.908	161.798	162.227	163.117	166.848
40	25.005	27.683	29.419	28.372	26.416
45	7.390	7.189	7.637	7.299	7.247
50	4.569	4.608	4.459	4.641	4.589
55	3.360	3.191	3.113	3.211	3.113
60	2.489	2.671	2.658	2.684	2.788
65	1.358	1.456	1.566	1.475	1.573
70	0.175	0.175	0.208	0.175	0.149
75	0.084	0.130	0.143	0.117	0.123
80	0.045	0.117	0.156	0.143	0.091
85	0.032	0.058	0.123	0.149	0.130
90	0.000	0.006	0.058	0.084	0.110

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDXX4XT-13LXXKXNE1-RD4XSGGLX.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	615.72	N.A.	72.00
0-30	749.57	N.A.	87.70
0-40	841.03	N.A.	98.40
0-60	852.99	N.A.	99.80
0-80	854.57	N.A.	100.00
0-90	854.67	N.A.	100.00
10-90	400.04	N.A.	46.80
20-40	225.31	N.A.	26.40
20-50	234.23	N.A.	27.40
40-70	13.39	N.A.	1.60
60-80	1.58	N.A.	0.20
70-80	0.14	N.A.	0.00
80-90	0.10	N.A.	0.00
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	854.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	454.63
10-20	161.09
20-30	133.85
30-40	91.46
40-50	8.92
50-60	3.04
60-70	1.43
70-80	0.14
80-90	0.10
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

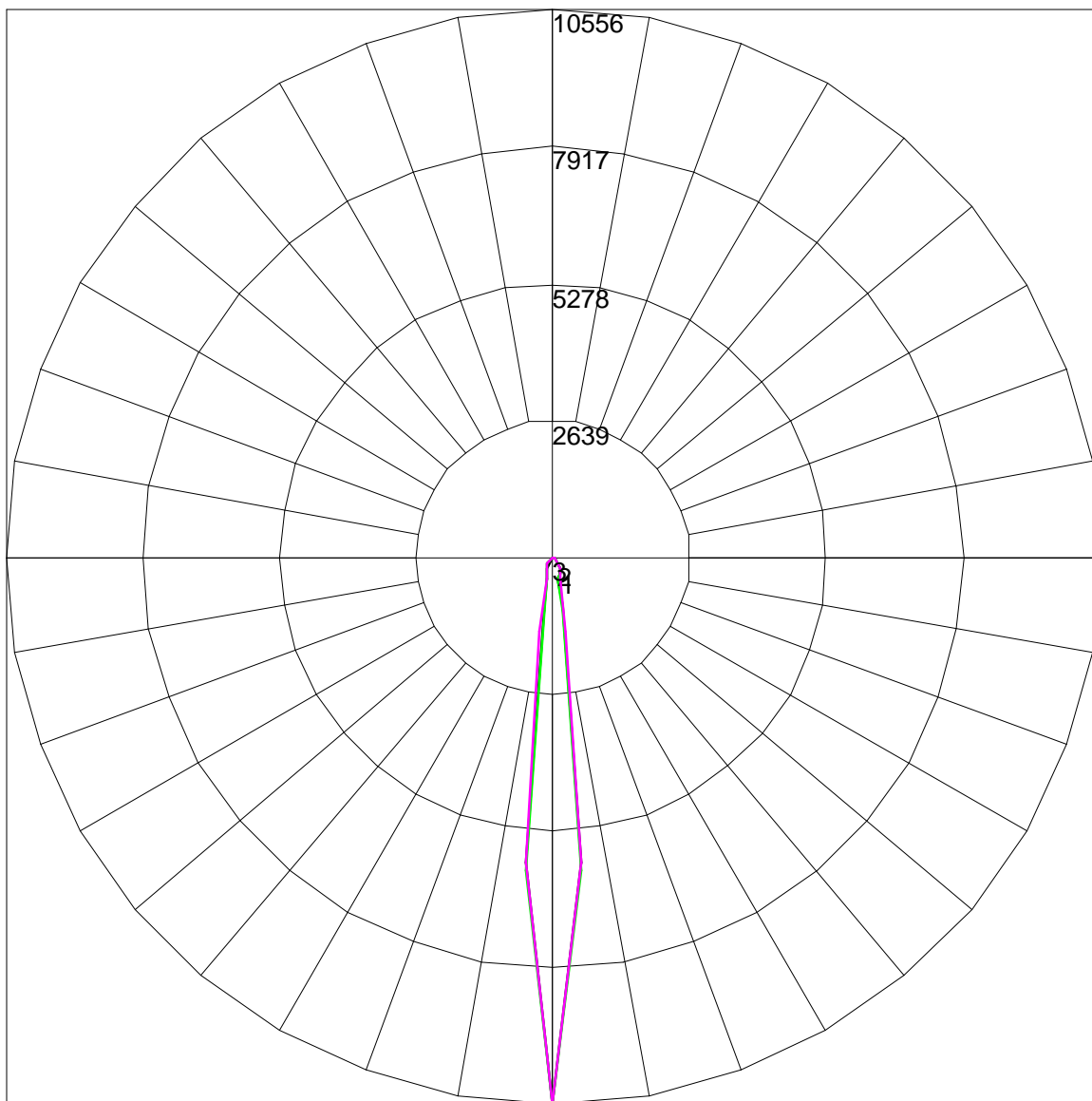
IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDXX4XT-13LXXKXNE1-RD4XSGGLX.IES

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	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	104	100	97	106	102	99	96	100	97	95	97	95	94	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86
6	99	93	89	86	98	93	89	86	91	88	85	90	87	85	89	86	84	83
7	97	90	86	84	96	90	86	83	89	86	83	88	85	83	87	84	82	81
8	94	88	84	81	93	88	84	81	87	83	81	86	83	81	85	82	80	79
9	92	86	82	79	91	85	82	79	85	81	79	84	81	79	83	81	79	78
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76

POLAR GRAPH



Maximum Candela = 10555.72 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)