

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKNDE1-RD4FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Thu May 12 2016

[UPDATE] Thu Jun 9 2016

[TEST] SP-00480_13_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-13L-xxK-ND-E1-RD4F-MW-SO-FACY4

[LUMINAIRE] 4" aperture recessed LED downlight w/ 4"H Frosted Clear Acrylic Cylinder Element

[OTHER] Narrow Beam upper reflector, regressed Solite lens, Matte White lower cone

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

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

[OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	942
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.46
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4666	4738	4748
55	3804	3774	3820
65	3113	3161	3132
75	2507	2530	2589
85	2063	2030	1999

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKNDE1-RD4FMWSO-FACY4.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2859.161	2859.161	2859.161	2859.161	2859.161
5	2658.567	2644.769	2640.645	2665.554	2656.851
10	2109.885	2128.449	2122.336	2123.012	2104.607
15	1179.377	1186.499	1180.498	1178.988	1195.954
20	507.732	509.714	503.788	504.716	502.690
25	231.297	229.059	230.230	231.581	230.062
30	123.254	125.469	125.638	124.983	123.284
35	87.839	88.238	88.292	88.045	87.454
40	71.913	72.521	72.021	71.444	69.982
45	60.870	61.600	61.802	62.187	61.927
50	54.856	55.150	55.744	56.572	54.741
55	49.895	50.476	49.503	49.709	50.115
60	45.242	45.306	44.870	44.820	45.360
65	39.832	40.017	40.436	40.017	40.065
70	34.874	35.283	35.496	35.421	35.347
75	30.282	30.592	30.562	31.072	31.278
80	26.807	26.351	25.976	26.135	26.442
85	22.690	22.011	22.329	22.383	21.994
90	19.978	20.073	19.823	20.066	19.820

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKNDE1-RD4FMWSO-FACY4.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	571.80	N.A.	60.70
0-30	693.98	N.A.	73.60
0-40	751.98	N.A.	79.80
0-60	845.30	N.A.	89.70
0-80	917.64	N.A.	97.40
0-90	942.39	N.A.	100.00
10-90	705.78	N.A.	74.90
20-40	180.18	N.A.	19.10
20-50	228.60	N.A.	24.30
40-70	133.12	N.A.	14.10
60-80	72.34	N.A.	7.70
70-80	32.53	N.A.	3.50
80-90	24.75	N.A.	2.60
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	942.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	236.61
10-20	335.19
20-30	122.17
30-40	58.01
40-50	48.42
50-60	44.90
60-70	39.81
70-80	32.53
80-90	24.75
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

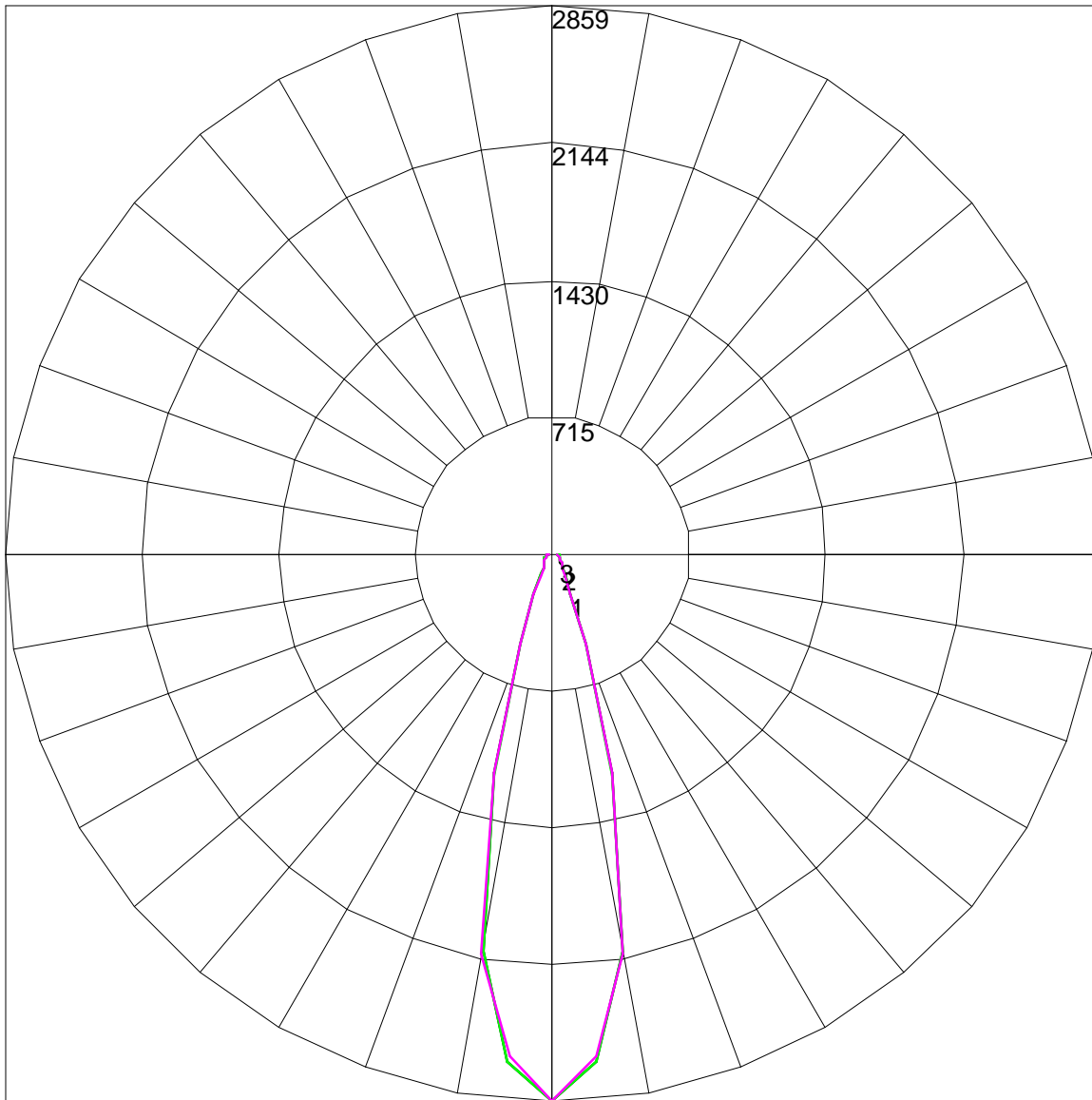
PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKNDE1-RD4FMWSO-FACY4.IES

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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	75	74
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	85	77	71	67	84	76	71	67	75	70	66	73	69	66	72	69	66	64
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58

POLAR GRAPH



Maximum Candela = 2859.161 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)