

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKXWE1-RD4FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Jun 10 2016

[UPDATE] Tue Jan 10 2017

[TEST] SP-00480_16_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-10L-xxK-XW-E1-RD4F-MW-SO-FACY4

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

[OTHER] Xtra Wide 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 report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	587
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.60
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	4973	5059	5106
55	3940	3922	3952
65	3025	3064	3081
75	2359	2408	2405
85	1815	1842	1825

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKXWE1-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	875.003	875.003	875.003	875.003	875.003
5	856.498	839.422	839.558	850.060	842.502
10	778.211	782.433	775.439	780.830	775.492
15	567.130	563.707	562.762	567.008	563.098
20	356.296	360.481	358.115	359.050	359.746
25	204.044	203.723	201.573	204.334	201.507
30	128.079	127.024	129.307	128.478	130.803
35	97.030	95.631	94.992	94.970	94.444
40	77.405	77.821	77.576	76.912	76.929
45	64.775	65.945	65.895	66.146	66.509
50	58.282	58.668	58.520	57.929	57.641
55	51.619	50.812	51.383	51.488	51.774
60	44.715	44.887	45.108	44.860	44.639
65	38.648	39.352	39.146	38.936	39.369
70	33.600	33.618	33.307	33.701	33.623
75	28.466	29.107	29.050	28.784	29.024
80	24.634	23.942	24.128	24.110	23.915
85	19.948	20.028	20.236	19.940	20.051
90	17.038	17.868	18.051	17.672	17.630

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Zone	Lumens	%Lamp	%Fixt
0-20	234.45	N.A.	40.00
0-30	335.37	N.A.	57.20
0-40	397.15	N.A.	67.70
0-60	494.85	N.A.	84.40
0-80	564.19	N.A.	96.20
0-90	586.53	N.A.	100.00
10-90	507.90	N.A.	86.60
20-40	162.70	N.A.	27.70
20-50	214.32	N.A.	36.50
40-70	136.52	N.A.	23.30
60-80	69.34	N.A.	11.80
70-80	30.52	N.A.	5.20
80-90	22.35	N.A.	3.80
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	586.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.64
10-20	155.81
20-30	100.92
30-40	61.78
40-50	51.62
50-60	46.08
60-70	38.82
70-80	30.52
80-90	22.35
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

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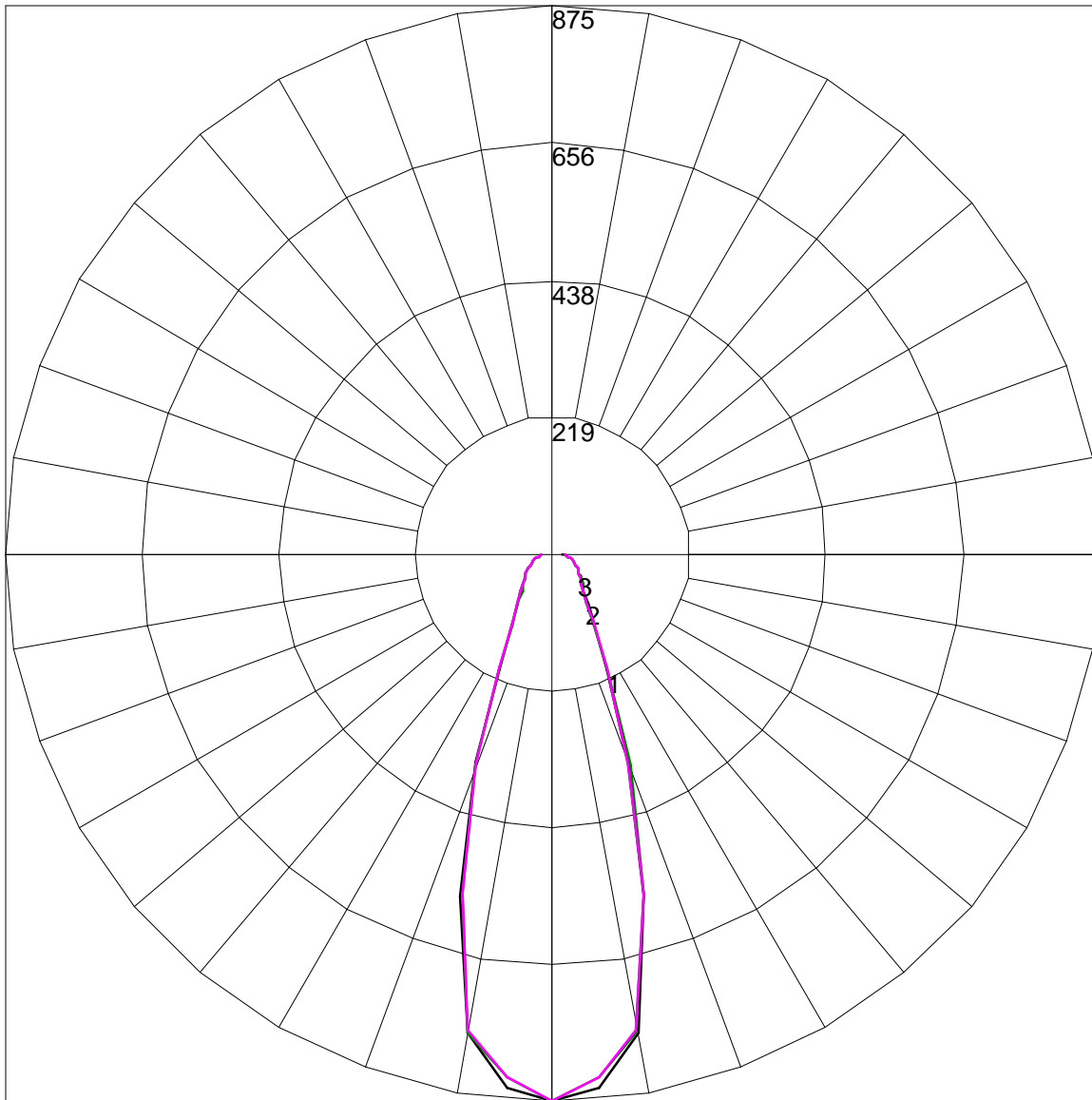
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87
2	103	96	90	86	100	94	89	85	91	86	83	87	84	81	85	82	79	77
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	66	64
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	54	50	48
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44

POLAR GRAPH



Maximum Candela = 875.003 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)