

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-40LXXKXWE1-RD4FMWSO-FACY2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 10 2016

[UPDATE] Tue Jan 10 2017

[TEST] SP-00480_18

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-40L-xxK-XW-E1-RD4F-MW-SO-FACY2

[LUMINAIRE] 4" aperture recessed LED downlight w/ 2"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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2475
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.66
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 ft (Diameter)
Luminous Height	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	26396	26580	26648
55	19931	19950	19702
65	14837	14990	14955
75	12439	11954	11850
85	9300	9406	9882

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-40LXXKXWE1-RD4FMWSO-FACY2.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3451.57	3451.57	3451.57	3451.57	3451.57
5	3384.35	3358.69	3360.11	3389.67	3461.67
10	3226.90	3225.39	3243.45	3232.98	3188.36
15	2769.34	2748.36	2743.55	2748.24	2759.96
20	1835.95	1833.42	1826.99	1835.95	1831.18
25	1095.85	1086.21	1095.43	1082.72	1087.38
30	685.94	695.69	689.87	692.31	686.48
35	371.14	374.61	372.28	371.97	369.98
40	293.69	297.28	295.73	294.38	297.03
45	247.49	246.40	249.21	245.88	249.85
50	206.67	208.26	210.14	209.63	207.25
55	176.84	176.45	177.01	176.52	174.81
60	146.40	145.95	144.69	144.88	144.73
65	120.18	122.56	121.42	121.77	121.14
70	102.24	102.72	103.51	102.23	103.64
75	88.08	85.02	84.65	85.07	83.91
80	69.91	68.68	70.25	69.33	68.39
85	54.38	55.13	55.00	55.81	57.78
90	45.92	48.12	44.84	46.00	47.23

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Zone	Lumens	%Lamp	%Fixt
0-20	1050.58	N.A.	42.40
0-30	1582.25	N.A.	63.90
0-40	1850.29	N.A.	74.80
0-60	2201.2	N.A.	88.90
0-80	2413.41	N.A.	97.50
0-90	2475.23	N.A.	100.00
10-90	2157.06	N.A.	87.10
20-40	799.72	N.A.	32.30
20-50	992.50	N.A.	40.10
40-70	472.61	N.A.	19.10
60-80	212.21	N.A.	8.60
70-80	90.50	N.A.	3.70
80-90	61.82	N.A.	2.50
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	2475.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	318.17
10-20	732.40
20-30	531.67
30-40	268.05
40-50	192.78
50-60	158.12
60-70	121.71
70-80	90.50
80-90	61.82
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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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

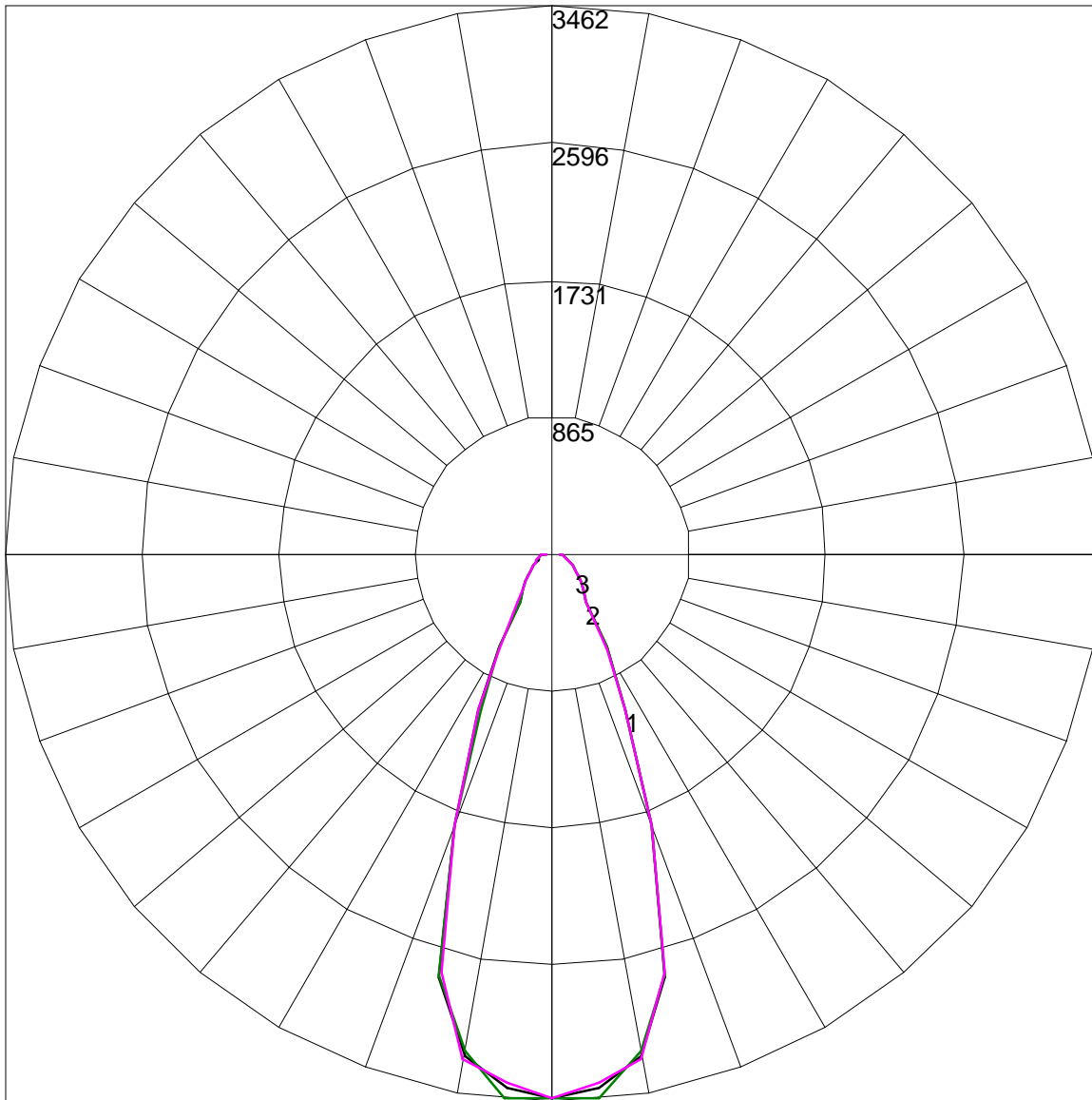
Effective Floor Cavity Reflectance 0.20

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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	81	78	75	74
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	77	73	70	68
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63
6	83	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	60	59
7	79	69	63	58	78	69	62	58	67	62	57	66	61	57	65	60	57	55
8	76	65	59	54	74	65	59	54	64	58	54	63	58	54	62	57	54	52
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49
10	69	59	53	49	68	58	53	49	58	52	49	57	52	48	56	52	48	47

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PHOTOMETRIC FILENAME : RDF04LEDXT-40LXXKXWE1-RD4FMWSO-FACY2.IES

POLAR GRAPH



Maximum Candela = 3461.67 Located At Horizontal Angle = 90, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)