

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKMDE1-RD4FMWSO-FACY2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Thu May 12 2016

[UPDATE] Thu Jun 9 2016

[TEST] SP-00480_12_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-13L-xxK-MD-E1-RD4F-MW-SO-FACY2

[LUMINAIRE] 4" aperture recessed LED downlight w/ 2"H Frosted Clear Acrylic Cylinder Element

[OTHER] Medium 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	784
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	15
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	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8310	8325	8217
55	6430	6473	6397
65	4840	4919	5001
75	3941	3932	3774
85	2983	3042	3037

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKMDE1-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	1361.968	1361.968	1361.968	1361.968	1361.968
5	1292.206	1276.283	1284.702	1275.810	1278.931
10	1100.260	1096.583	1097.262	1096.954	1107.528
15	847.401	851.926	852.534	857.576	853.577
20	544.058	547.294	546.919	547.439	543.302
25	302.356	302.545	305.453	300.472	302.312
30	186.150	186.822	187.515	184.489	186.633
35	127.384	126.894	126.648	125.584	125.530
40	95.262	95.046	95.647	94.985	95.140
45	78.036	78.563	78.181	77.580	77.164
50	68.641	66.817	66.635	67.857	66.500
55	57.142	56.690	57.517	58.290	56.845
60	48.048	47.504	47.724	47.693	47.562
65	39.258	39.687	39.903	39.788	40.565
70	34.327	34.246	33.223	33.750	33.260
75	27.945	27.847	27.877	28.147	26.756
80	22.231	22.744	22.616	22.454	22.731
85	17.459	18.087	17.807	17.804	17.777
90	15.247	14.504	14.943	14.599	14.751

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Zone	Lumens	%Lamp	%Fixt
0-20	347.82	N.A.	44.40
0-30	498.75	N.A.	63.60
0-40	581.77	N.A.	74.20
0-60	694.56	N.A.	88.60
0-80	764.03	N.A.	97.50
0-90	783.93	N.A.	100.00
10-90	667.23	N.A.	85.10
20-40	233.95	N.A.	29.80
20-50	295.36	N.A.	37.70
40-70	152.69	N.A.	19.50
60-80	69.47	N.A.	8.90
70-80	29.57	N.A.	3.80
80-90	19.90	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	783.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	116.70
10-20	231.12
20-30	150.93
30-40	83.02
40-50	61.41
50-60	51.37
60-70	39.90
70-80	29.57
80-90	19.90
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

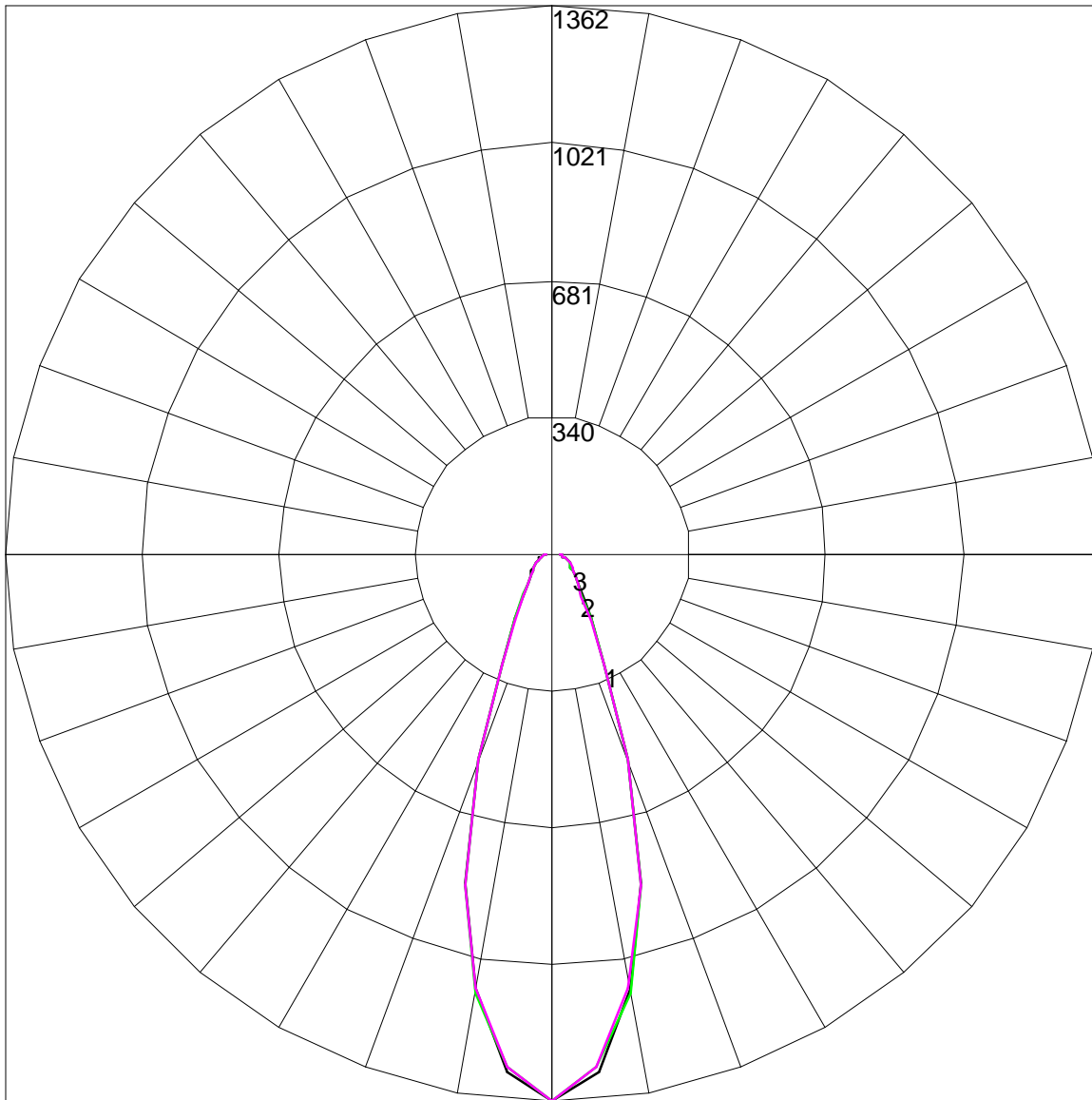
Effective Floor Cavity Reflectance 0.20

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	105	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	82	78	75	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48

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PHOTOMETRIC FILENAME : RDF04LEDXT-13LXXKMDE1-RD4FMWSO-FACY2.IES

POLAR GRAPH



Maximum Candela = 1361.968 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)