

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKMDE1-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_14_M-10L

[MANUFAC] Spectrum Lighting

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

[LUMINAIRE] 4" aperture recessed LED downlight w/ 4"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	554
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.54
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	4494	4432	4418
55	3555	3540	3612
65	2944	2832	2851
75	2258	2210	2249
85	1694	1681	1697

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKMDE1-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	993.196	993.196	993.196	993.196	993.196
5	930.613	936.517	933.665	932.488	940.975
10	758.063	761.360	760.536	762.187	765.175
15	529.961	528.009	530.783	525.714	530.395
20	317.946	317.615	315.967	317.658	317.663
25	211.667	212.356	214.531	212.764	215.937
30	115.161	114.782	116.722	116.228	115.451
35	81.069	80.691	80.570	80.616	80.277
40	65.537	66.614	67.123	66.043	65.883
45	58.625	58.731	57.816	58.956	57.628
50	52.030	53.398	53.438	52.641	52.363
55	46.639	46.767	46.444	47.218	47.386
60	41.647	41.354	42.078	41.795	41.547
65	37.660	36.585	36.234	36.350	36.480
70	31.505	31.738	31.495	31.972	31.235
75	27.283	26.566	26.696	26.977	27.165
80	22.411	22.153	22.349	22.085	22.476
85	18.635	18.276	18.492	18.725	18.672
90	16.081	16.043	15.913	15.918	16.199

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Zone	Lumens	%Lamp	%Fixt
0-20	229.96	N.A.	41.50
0-30	327.27	N.A.	59.10
0-40	380.72	N.A.	68.80
0-60	468.48	N.A.	84.60
0-80	533.22	N.A.	96.30
0-90	553.76	N.A.	100.00
10-90	470.04	N.A.	84.90
20-40	150.75	N.A.	27.20
20-50	196.35	N.A.	35.50
40-70	124.06	N.A.	22.40
60-80	64.73	N.A.	11.70
70-80	28.44	N.A.	5.10
80-90	20.54	N.A.	3.70
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	553.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.72
10-20	146.24
20-30	97.30
30-40	53.45
40-50	45.60
50-60	42.17
60-70	36.30
70-80	28.44
80-90	20.54
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

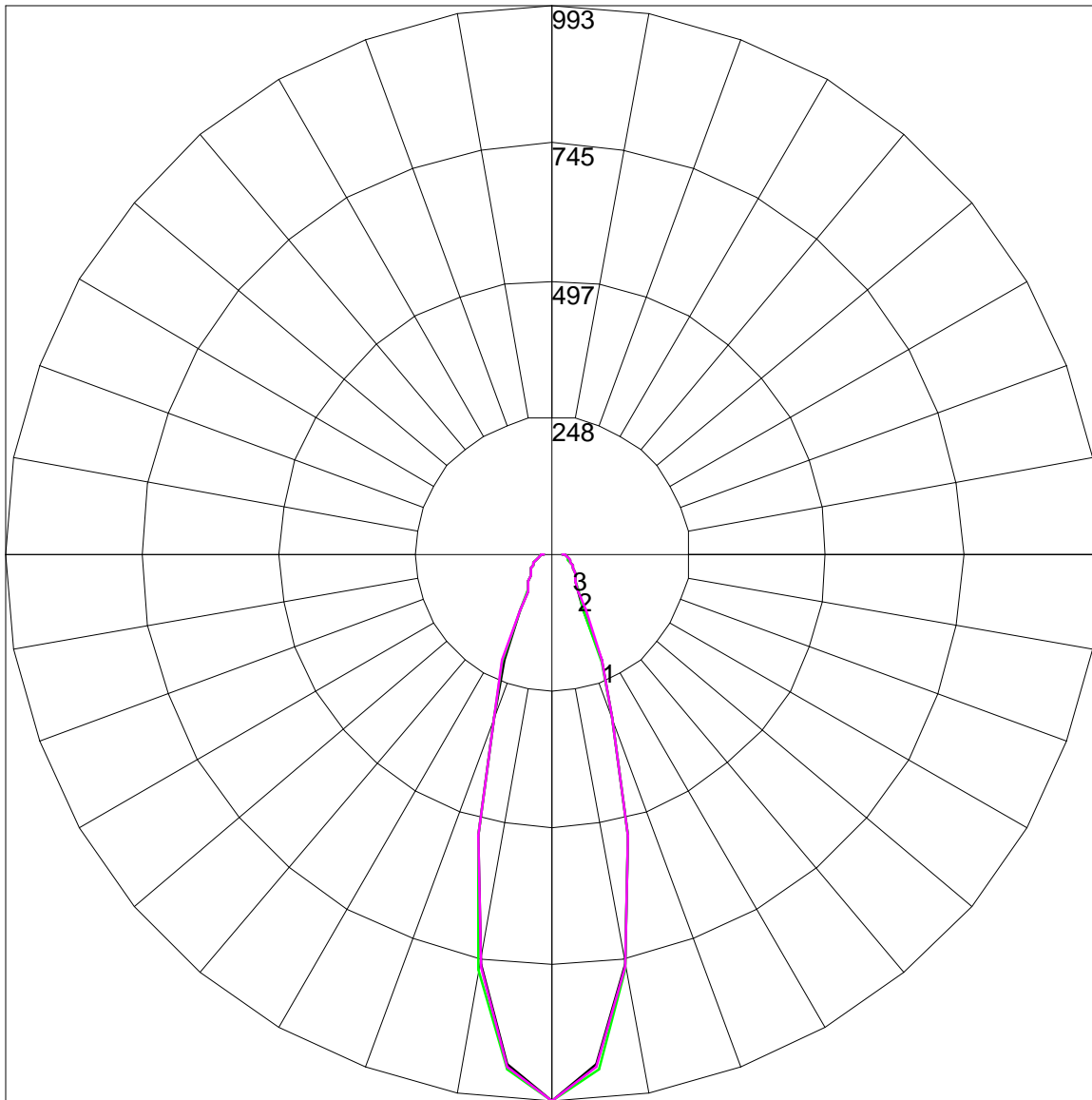
Effective Floor Cavity Reflectance 0.20

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	62	58	54	53
8	74	63	57	52	73	63	56	52	62	56	52	61	55	52	60	55	51	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47
10	68	57	51	47	67	57	51	47	56	50	47	55	50	47	54	50	46	45

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POLAR GRAPH



Maximum Candela = 993.196 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)