

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKMDE1-RD4FMWSO-FACY2.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_12_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-10L-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	582
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
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	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6166	6178	6097
55	4772	4803	4747
65	3591	3650	3711
75	2925	2918	2800
85	2213	2257	2254

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKMDE1-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	1010.687	1010.687	1010.687	1010.687	1010.687
5	958.918	947.103	953.350	946.752	949.067
10	816.480	813.751	814.255	814.027	821.873
15	628.838	632.196	632.647	636.389	633.422
20	403.734	406.135	405.857	406.243	403.173
25	224.372	224.513	226.670	222.974	224.340
30	138.138	138.637	139.151	136.905	138.497
35	94.529	94.165	93.983	93.193	93.153
40	70.692	70.531	70.977	70.486	70.602
45	57.909	58.300	58.016	57.570	57.262
50	50.937	49.584	49.448	50.356	49.348
55	42.404	42.068	42.682	43.256	42.183
60	35.655	35.252	35.415	35.392	35.295
65	29.132	29.451	29.611	29.526	30.102
70	25.473	25.413	24.654	25.045	24.682
75	20.737	20.664	20.687	20.888	19.855
80	16.497	16.878	16.783	16.662	16.868
85	12.956	13.422	13.214	13.212	13.192
90	11.315	10.763	11.089	10.833	10.946

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Zone	Lumens	%Lamp	%Fixt
0-20	258.11	N.A.	44.40
0-30	370.11	N.A.	63.60
0-40	431.72	N.A.	74.20
0-60	515.42	N.A.	88.60
0-80	566.97	N.A.	97.50
0-90	581.74	N.A.	100.00
10-90	495.13	N.A.	85.10
20-40	173.61	N.A.	29.80
20-50	219.18	N.A.	37.70
40-70	113.30	N.A.	19.50
60-80	51.55	N.A.	8.90
70-80	21.94	N.A.	3.80
80-90	14.77	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	581.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	86.60
10-20	171.51
20-30	112.00
30-40	61.61
40-50	45.57
50-60	38.12
60-70	29.61
70-80	21.94
80-90	14.77
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

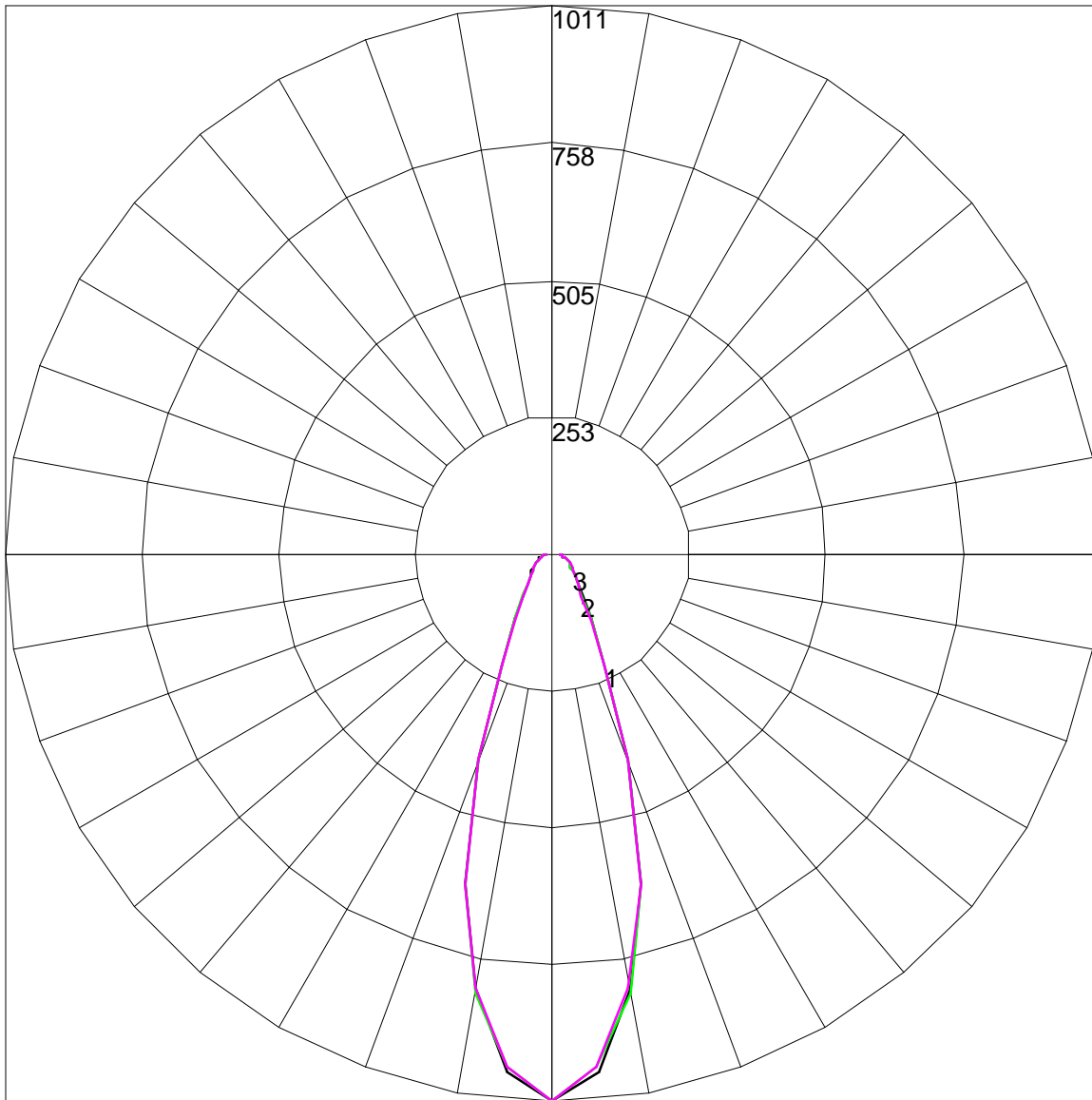
Effective Floor Cavity Reflectance 0.20

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	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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POLAR GRAPH



Maximum Candela = 1010.687 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)