

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKWDE1-RD4FMWSO-FACY4.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] Wed Aug 31 2016

[TEST] SP-00480_15_M-10L

[MANUFAC] Spectrum Lighting

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

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

[OTHER] 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	558
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)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.58
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	4901	5016	4988
55	3953	4034	3970
65	3265	3167	3150
75	2470	2509	2473
85	1918	1890	1888

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKWDE1-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	830.904	830.904	830.904	830.904	830.904
5	806.872	813.638	808.694	814.503	803.120
10	732.391	728.675	732.103	726.424	738.867
15	507.435	509.758	509.274	511.625	512.209
20	307.561	305.486	307.732	307.857	308.230
25	186.497	183.133	184.011	185.647	185.020
30	121.611	120.957	123.005	120.123	122.310
35	89.828	90.444	89.013	89.602	90.334
40	75.240	75.288	75.127	75.170	73.902
45	63.926	64.542	65.434	64.008	65.058
50	59.442	58.788	58.620	58.375	58.345
55	51.857	52.055	52.914	52.122	52.082
60	46.261	46.692	46.892	46.063	46.554
65	41.770	40.928	40.520	40.923	40.301
70	35.660	35.733	35.670	35.061	34.966
75	29.836	29.907	30.315	30.303	29.877
80	25.822	24.892	25.331	25.010	25.358
85	21.103	20.970	20.790	20.554	20.772
90	17.855	18.868	18.612	19.046	18.923

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Zone	Lumens	%Lamp	%Fixt
0-20	215.72	N.A.	38.60
0-30	306.05	N.A.	54.80
0-40	364.67	N.A.	65.30
0-60	462.39	N.A.	82.80
0-80	534.88	N.A.	95.80
0-90	558.21	N.A.	100.00
10-90	483.45	N.A.	86.60
20-40	148.95	N.A.	26.70
20-50	199.72	N.A.	35.80
40-70	138.28	N.A.	24.80
60-80	72.49	N.A.	13.00
70-80	31.93	N.A.	5.70
80-90	23.33	N.A.	4.20
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	558.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	74.75
10-20	140.97
20-30	90.33
30-40	58.61
40-50	50.77
50-60	46.95
60-70	40.56
70-80	31.93
80-90	23.33
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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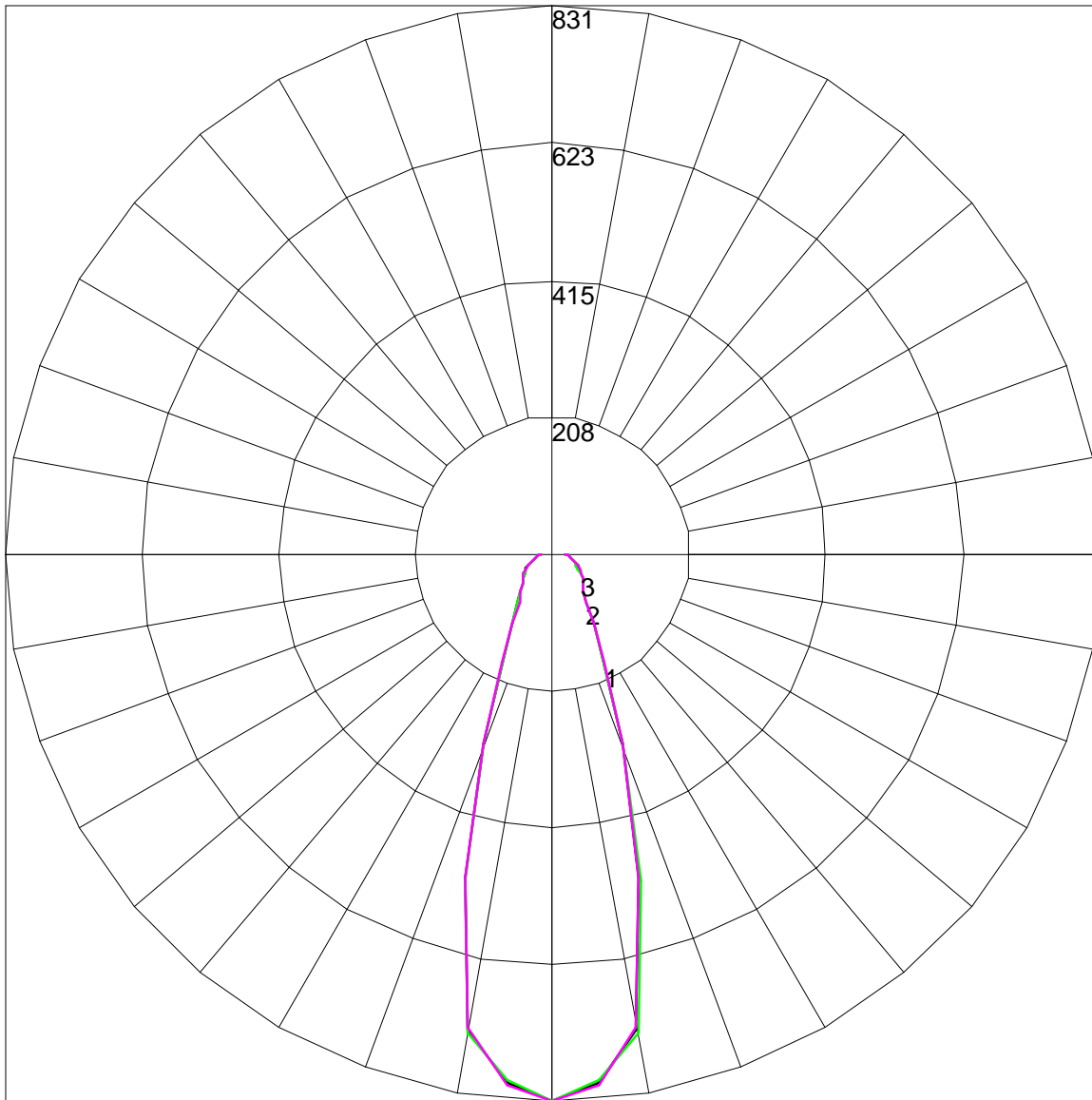
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	96	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	69	58	51	47	68	57	51	47	56	50	46	55	50	46	54	50	46	44
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

POLAR GRAPH



Maximum Candela = 830.904 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)