

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKWDE1-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] Fri Jun 10 2016

[UPDATE] Wed Aug 31 2016

[TEST] SP-00480_17_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-10L-xxK-WD-E1-RD4F-MW-SO-FACY2

[LUMINAIRE] 4" aperture recessed LED downlight w/ 2"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	589
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.62
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	6855	6939	6863
55	5253	5272	5341
65	4058	4146	4094
75	3305	3296	3296
85	2541	2631	2561

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-10LXXKWDE1-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	846.241	846.241	846.241	846.241	846.241
5	818.106	816.781	814.969	810.643	818.758
10	803.371	796.685	795.309	798.051	792.031
15	650.490	644.553	641.744	645.503	645.596
20	403.559	404.519	403.278	404.478	402.589
25	219.348	221.027	222.473	220.092	221.257
30	137.883	136.988	137.509	136.341	134.520
35	89.118	90.604	89.276	90.306	90.745
40	75.355	76.085	76.571	75.345	76.441
45	64.374	64.472	65.161	64.730	64.447
50	55.906	56.084	55.297	55.876	55.375
55	46.677	46.910	46.845	47.120	47.461
60	38.557	39.688	39.023	38.881	38.510
65	32.916	33.112	33.633	33.458	33.205
70	27.676	28.298	28.473	27.924	28.122
75	23.431	23.306	23.368	23.459	23.368
80	19.128	19.324	19.143	19.226	19.106
85	14.876	15.277	15.402	15.229	14.991
90	13.670	13.304	12.886	13.197	13.214

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Zone	Lumens	%Lamp	%Fixt
0-20	249.50	N.A.	42.40
0-30	360.30	N.A.	61.20
0-40	421.40	N.A.	71.50
0-60	513.99	N.A.	87.20
0-80	572.01	N.A.	97.10
0-90	589.14	N.A.	100.00
10-90	511.60	N.A.	86.80
20-40	171.90	N.A.	29.20
20-50	222.27	N.A.	37.70
40-70	125.74	N.A.	21.30
60-80	58.02	N.A.	9.80
70-80	24.86	N.A.	4.20
80-90	17.13	N.A.	2.90
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	589.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	77.53
10-20	171.97
20-30	110.80
30-40	61.09
40-50	50.38
50-60	42.22
60-70	33.15
70-80	24.86
80-90	17.13
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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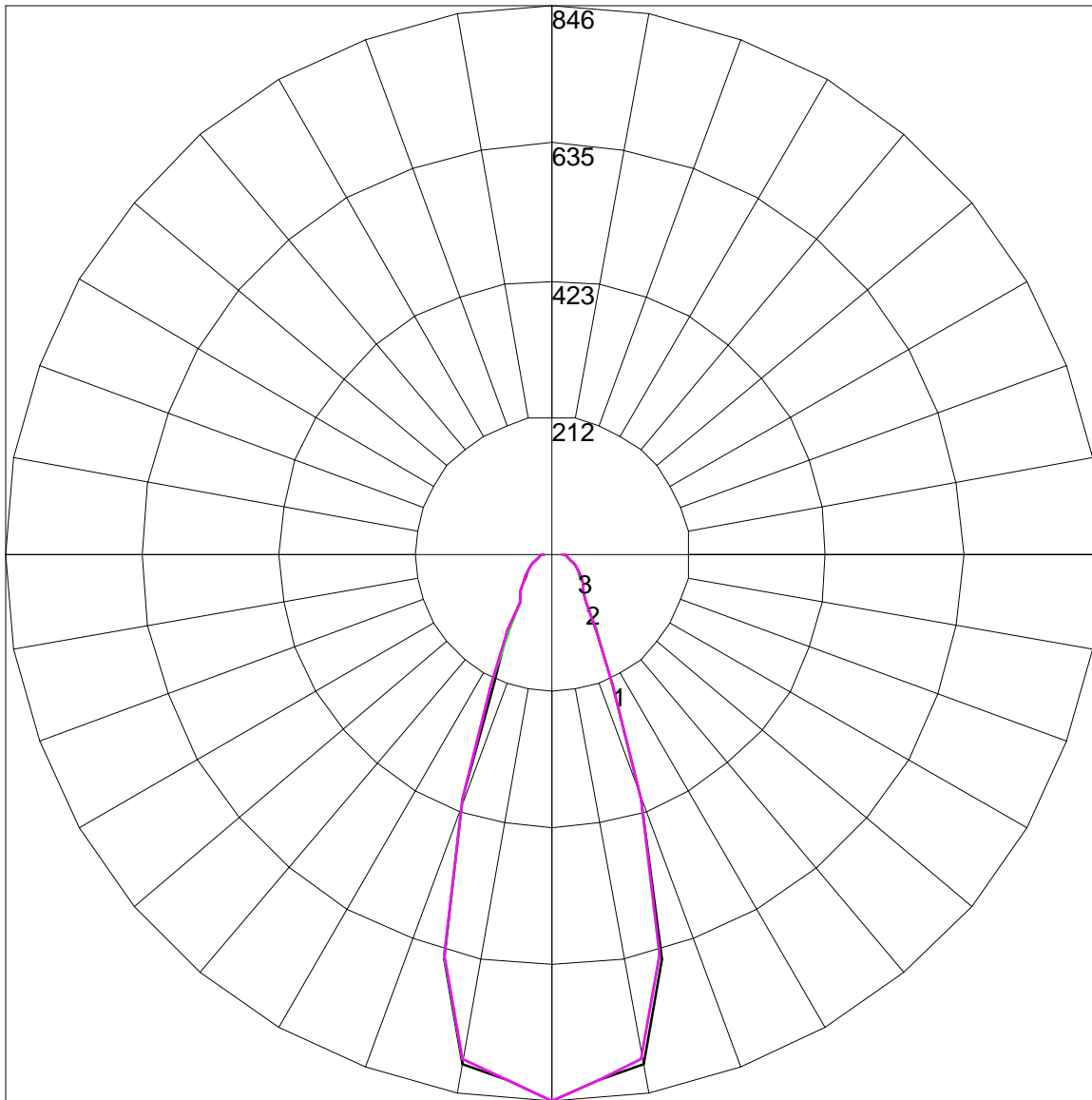
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	61
6	83	72	65	61	81	71	65	60	70	64	60	68	63	59	67	63	59	57
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54
8	75	64	58	53	73	64	57	53	63	57	53	61	56	53	60	56	52	51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48
10	68	58	52	48	67	57	52	48	57	51	47	56	51	47	55	50	47	46

POLAR GRAPH



Maximum Candela = 846.241 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)