

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKXWE1-RD6FMWSO-FACY2.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

 [TESTLAB] Photopia 2015.1.1 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUE DATE]

[TEST DATE] Fri Jun 10 2016

[UPDATE] Tue Jan 10 2017

[TEST] SP-00476\_29\_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-10L-xxK-XW-E1-RD6F-MW-SO-FACY2

[LUMINAIRE] 6" aperture recessed LED downlight w/ 2"H Frosted Clear Acrylic Cylinder Element

[OTHER] Xtra 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 50L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	725
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 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	3083	3097	3183
55	2260	2264	2251
65	1749	1746	1750
75	1325	1300	1293
85	1150	1135	1157

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	865.028	865.028	865.028	865.028	865.028
<b>5</b>	866.518	862.488	865.761	868.566	875.375
<b>10</b>	863.318	860.234	857.910	856.052	867.344
<b>15</b>	807.236	796.357	804.966	799.667	803.061
<b>20</b>	672.057	667.114	666.782	668.417	666.087
<b>25</b>	423.857	423.178	426.466	425.827	423.263
<b>30</b>	231.556	230.556	226.020	228.126	224.251
<b>35</b>	140.693	141.264	141.753	140.116	139.632
<b>40</b>	74.525	77.937	73.574	73.386	75.380
<b>45</b>	56.688	58.863	56.950	57.273	58.539
<b>50</b>	47.214	47.393	47.389	46.349	46.480
<b>55</b>	38.013	38.372	38.085	38.573	37.855
<b>60</b>	31.938	31.144	31.388	31.204	31.193
<b>65</b>	25.777	26.483	25.742	26.003	25.796
<b>70</b>	20.014	20.616	20.688	20.699	19.468
<b>75</b>	16.183	16.270	15.868	16.289	15.787
<b>80</b>	13.402	13.342	13.456	13.112	13.697
<b>85</b>	10.712	10.883	10.567	11.076	10.775
<b>90</b>	9.191	9.370	8.980	8.689	9.519

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Zone	Lumens	%Lamp	%Fixt
0-20	302.13	N.A.	41.70
0-30	499.35	N.A.	68.90
0-40	589.69	N.A.	81.30
0-60	670.01	N.A.	92.40
0-80	713.14	N.A.	98.30
0-90	725.16	N.A.	100.00
10-90	642.69	N.A.	88.60
20-40	287.56	N.A.	39.70
20-50	333.27	N.A.	46.00
40-70	106.02	N.A.	14.60
60-80	43.13	N.A.	5.90
70-80	17.44	N.A.	2.40
80-90	12.02	N.A.	1.70
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	725.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	82.48
10-20	219.65
20-30	197.22
30-40	90.34
40-50	45.71
50-60	34.61
60-70	25.70
70-80	17.44
80-90	12.02
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

# IES INDOOR REPORT

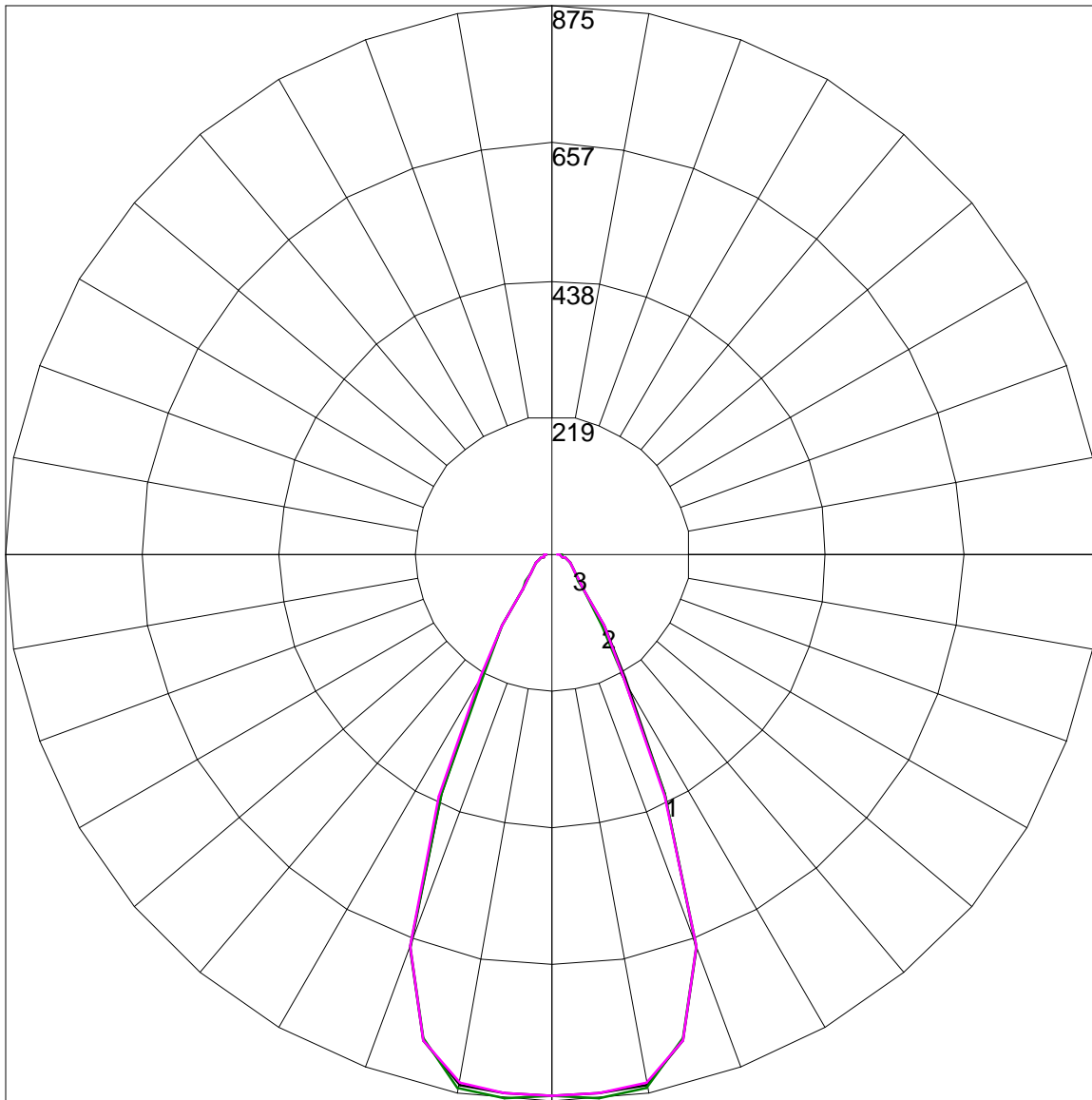
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	70	67	66
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	65	60	80	71	64	60	69	64	60	68	63	60	67	63	59	58
8	77	67	61	57	76	67	61	57	66	60	56	64	60	56	63	59	56	54
9	74	64	58	53	73	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	51	69	60	54	50	59	54	50	58	54	50	58	53	50	49

POLAR GRAPH



Maximum Candela = 875.375 Located At Horizontal Angle = 90, Vertical Angle = 5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Vertical Plane Through Horizontal Angles (90 - 270)

# 3 - Vertical Plane Through Horizontal Angles (45 - 225)