

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKMDE1-RD6FMWSO-FACY4.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri May 13 2016

[UPDATE] Mon Jan 9 2017

[TEST] SP-00476\_25\_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-10L-xxK-MD-E1-RD6F-MW-SO-FACY4

[LUMINAIRE] 6" 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 50L report

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	655
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.62
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.33 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2626	2618	2609
55	1918	1894	1862
65	1437	1449	1374
75	1165	1159	1094
85	899	948	951

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKMDE1-RD6FMWSO-FACY4.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	1037.251	1037.251	1037.251	1037.251	1037.251
<b>5</b>	996.005	1000.925	1006.233	1006.719	1028.763
<b>10</b>	936.594	929.094	939.918	931.833	933.790
<b>15</b>	749.957	743.677	749.012	748.107	735.029
<b>20</b>	464.968	468.326	465.508	467.162	466.178
<b>25</b>	259.018	258.697	261.884	263.269	262.295
<b>30</b>	169.163	172.357	171.708	172.471	167.740
<b>35</b>	101.340	100.897	100.013	99.783	99.642
<b>40</b>	75.191	76.272	74.517	74.824	76.781
<b>45</b>	62.688	63.592	62.497	62.217	62.268
<b>50</b>	52.293	53.000	52.614	53.463	52.706
<b>55</b>	44.434	44.402	43.886	43.487	43.136
<b>60</b>	36.386	36.587	35.796	36.558	37.338
<b>65</b>	31.274	31.308	31.542	31.002	29.901
<b>70</b>	26.470	26.159	25.681	26.495	26.978
<b>75</b>	22.950	22.228	22.832	21.994	21.547
<b>80</b>	18.470	18.827	18.887	19.092	18.335
<b>85</b>	15.318	15.975	16.137	16.359	16.189
<b>90</b>	14.299	14.230	14.016	14.083	13.738

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKMDE1-RD6FMWSO-FACY4.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	293.42	N.A.	44.80
0-30	424.47	N.A.	64.80
0-40	493.77	N.A.	75.40
0-60	582.31	N.A.	88.90
0-80	636.97	N.A.	97.30
0-90	654.69	N.A.	100.00
10-90	560.84	N.A.	85.70
20-40	200.35	N.A.	30.60
20-50	249.27	N.A.	38.10
40-70	119.49	N.A.	18.30
60-80	54.66	N.A.	8.30
70-80	23.71	N.A.	3.60
80-90	17.73	N.A.	2.70
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	654.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	93.85
10-20	199.57
20-30	131.05
30-40	69.30
40-50	48.93
50-60	39.61
60-70	30.95
70-80	23.71
80-90	17.73
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

PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKMDE1-RD6FMWSO-FACY4.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

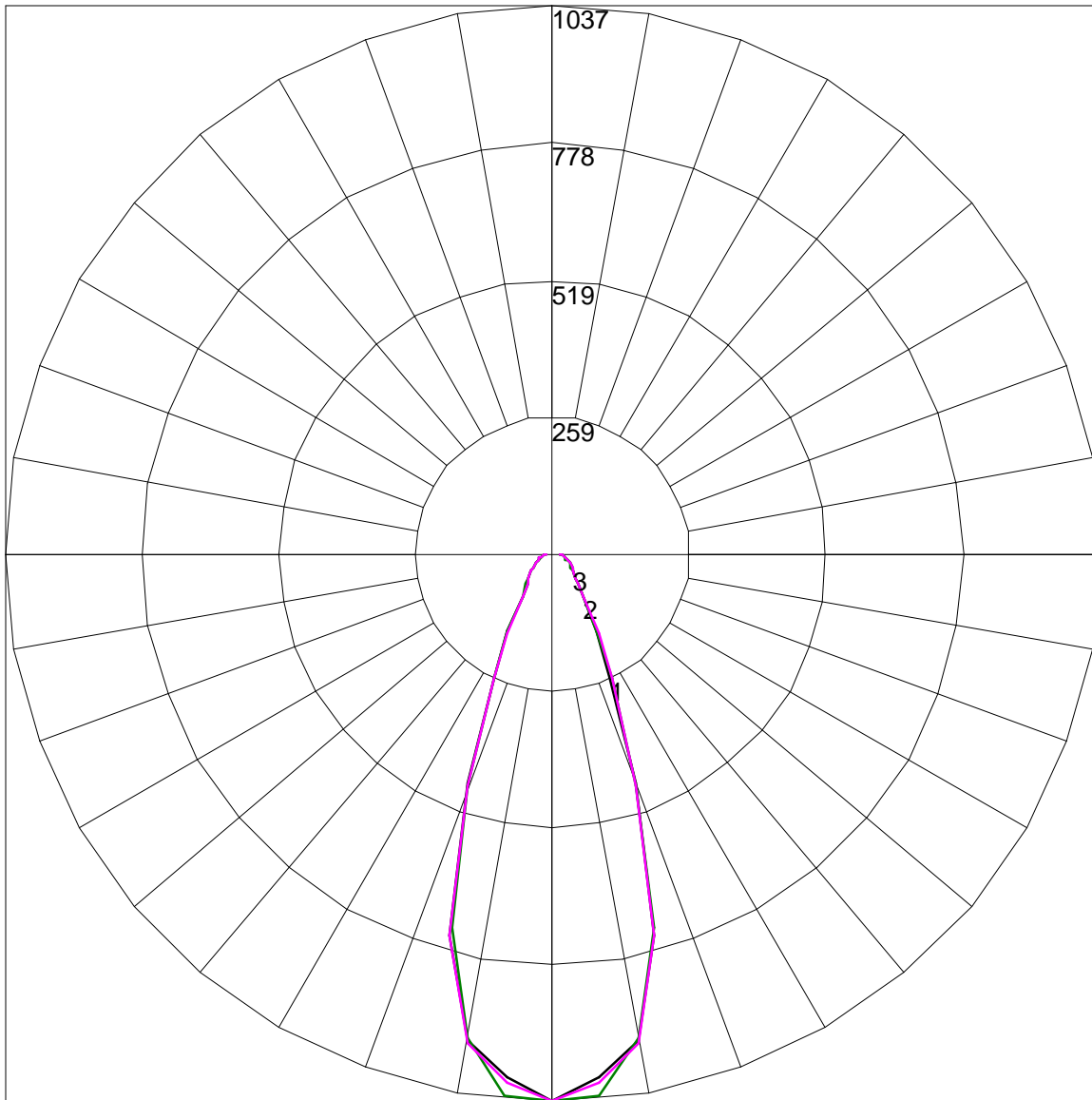
Effective Floor Cavity Reflectance 0.20

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	105	99	93	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74
4	93	85	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	68
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	84	74	68	63	82	73	67	63	72	66	62	70	66	62	69	65	61	60
7	80	70	64	59	79	69	63	59	68	63	58	67	62	58	66	61	58	56
8	76	66	60	56	75	66	60	55	65	59	55	64	59	55	63	58	55	53
9	73	63	57	53	72	62	57	53	62	56	52	61	56	52	60	55	52	51
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	53	49	48

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : RDF06LEDXT-10LXXKMDE1-RD6FMWSO-FACY4.IES

## POLAR GRAPH



Maximum Candela = 1037.251 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)