

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKMDE1-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)

[ISSUEDATE]

[TESTDATE] Fri May 13 2016

[UPDATE] Mon Jan 9 2017

[TEST] SP-00476\_25\_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-30L-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	2035
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	34.6
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	8165	8140	8110
55	5962	5889	5788
65	4467	4506	4271
75	3622	3604	3401
85	2796	2946	2955

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKMDE1-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>	3224.616	3224.616	3224.616	3224.616	3224.616
<b>5</b>	3096.390	3111.684	3128.184	3129.696	3198.228
<b>10</b>	2911.692	2888.376	2922.024	2896.890	2902.974
<b>15</b>	2331.474	2311.950	2328.534	2325.720	2285.064
<b>20</b>	1445.496	1455.936	1447.176	1452.318	1449.258
<b>25</b>	805.236	804.240	814.146	818.454	815.424
<b>30</b>	525.894	535.824	533.808	536.178	521.472
<b>35</b>	315.048	313.668	310.920	310.206	309.768
<b>40</b>	233.754	237.114	231.660	232.614	238.698
<b>45</b>	194.886	197.694	194.292	193.422	193.578
<b>50</b>	162.570	164.766	163.566	166.206	163.854
<b>55</b>	138.138	138.036	136.434	135.192	134.100
<b>60</b>	113.118	113.742	111.282	113.652	116.076
<b>65</b>	97.224	97.332	98.058	96.378	92.958
<b>70</b>	82.290	81.324	79.836	82.368	83.868
<b>75</b>	71.346	69.102	70.980	68.376	66.984
<b>80</b>	57.420	58.530	58.716	59.352	57.000
<b>85</b>	47.622	49.662	50.166	50.856	50.328
<b>90</b>	44.454	44.238	43.572	43.782	42.708

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKMDE1-RD6FMWSO-FACY4.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	912.20	N.A.	44.80
0-30	1319.6	N.A.	64.80
0-40	1535.04	N.A.	75.40
0-60	1810.3	N.A.	88.90
0-80	1980.21	N.A.	97.30
0-90	2035.32	N.A.	100.00
10-90	1743.55	N.A.	85.70
20-40	622.84	N.A.	30.60
20-50	774.94	N.A.	38.10
40-70	371.48	N.A.	18.30
60-80	169.92	N.A.	8.30
70-80	73.70	N.A.	3.60
80-90	55.10	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	2035.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	291.77
10-20	620.43
20-30	407.40
30-40	215.44
40-50	152.10
50-60	123.15
60-70	96.22
70-80	73.70
80-90	55.10
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-30LXXKMDE1-RD6FMWSO-FACY4.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

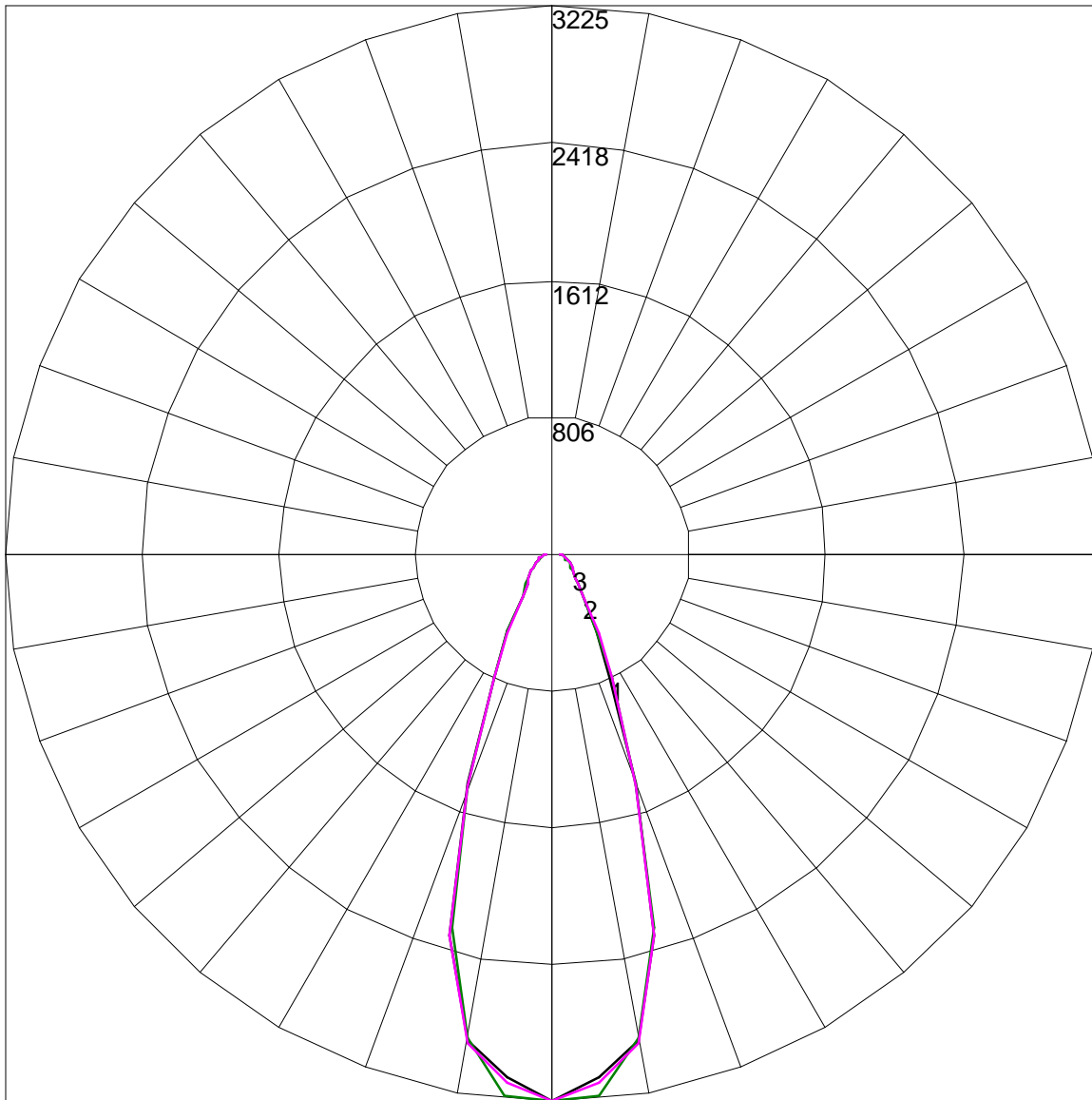
Effective Floor Cavity Reflectance 0.20

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	98	96	94	94	92	91	89
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	99	91	85	80	97	90	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	69
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53
9	73	63	57	53	72	63	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	50	48

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : RDF06LEDXT-30LXXKMDE1-RD6FMWSO-FACY4.IES

## POLAR GRAPH



Maximum Candela = 3224.616 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)