

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKWDE1-RD6FMWSO-FACY4.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)

[ISSUEDATE]

[TESTDATE] Fri Jun 10 2016

[UPDATE] Wed Sep 28 2016

[TEST] SP-00476\_26\_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-30L-xxK-WD-E1-RD6F-MW-SO-FACY4

[LUMINAIRE] 6" 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 50L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2088
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.66
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	9107	9062	9144
55	6783	6674	6451
65	4991	4903	5089
75	4007	4092	3930
85	3477	3452	3402

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKWDE1-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>	2628.858	2628.858	2628.858	2628.858	2628.858
<b>5</b>	2683.050	2672.172	2633.310	2719.152	2656.434
<b>10</b>	2716.284	2696.904	2709.972	2687.172	2736.150
<b>15</b>	2438.532	2477.130	2457.492	2461.362	2448.768
<b>20</b>	1447.782	1461.066	1461.702	1454.922	1473.174
<b>25</b>	815.520	816.528	814.080	821.004	820.896
<b>30</b>	500.820	490.344	499.722	504.024	501.426
<b>35</b>	354.438	349.782	346.812	351.918	345.336
<b>40</b>	271.116	263.160	265.008	265.320	268.902
<b>45</b>	217.374	218.928	216.312	222.546	218.262
<b>50</b>	186.366	187.026	188.034	189.930	189.804
<b>55</b>	157.158	154.212	154.614	156.312	149.454
<b>60</b>	127.866	128.922	130.752	126.714	129.144
<b>65</b>	108.612	107.136	106.704	109.326	110.760
<b>70</b>	93.864	92.472	92.208	95.244	92.262
<b>75</b>	78.912	80.358	80.598	79.650	77.400
<b>80</b>	66.948	68.760	68.382	68.202	66.624
<b>85</b>	59.214	57.798	58.782	57.498	57.936
<b>90</b>	47.244	52.398	52.698	52.716	55.488

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKWDE1-RD6FMWSO-FACY4.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	885.20	N.A.	42.40
0-30	1290.59	N.A.	61.80
0-40	1518.21	N.A.	72.70
0-60	1830.29	N.A.	87.70
0-80	2023.63	N.A.	96.90
0-90	2088.17	N.A.	100.00
10-90	1832.36	N.A.	87.70
20-40	633.01	N.A.	30.30
20-50	805.04	N.A.	38.60
40-70	420.69	N.A.	20.10
60-80	193.34	N.A.	9.30
70-80	84.73	N.A.	4.10
80-90	64.53	N.A.	3.10
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	2088.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	255.80
10-20	629.40
20-30	405.39
30-40	227.62
40-50	172.03
50-60	140.05
60-70	108.61
70-80	84.73
80-90	64.53
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

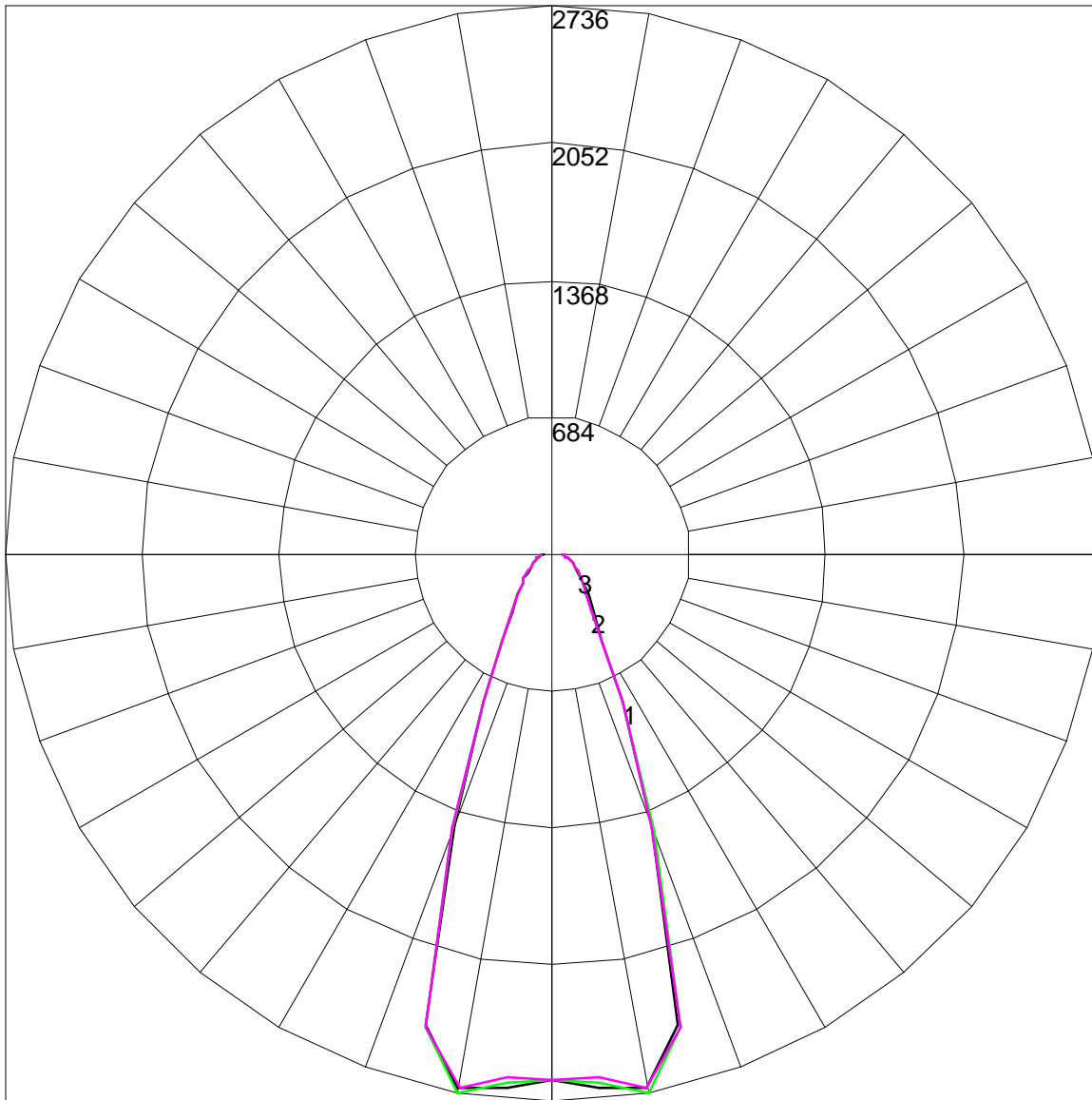
PHOTOMETRIC FILENAME : RDF06LEDXT-30LXXKWDE1-RD6FMWSO-FACY4.IES

## 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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51
9	71	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48
10	68	58	52	48	67	58	52	48	57	51	47	56	51	47	55	51	47	46

POLAR GRAPH



Maximum Candela = 2736.15 Located At Horizontal Angle = 90, Vertical Angle = 10

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

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

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