

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKXWE1-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 Jun 10 2016

[UPDATE] Tue Jan 10 2017

[TEST] SP-00476\_27\_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-40L-xxK-XW-E1-RD6F-MW-SO-FACY4

[LUMINAIRE] 6" aperture recessed LED downlight w/ 4"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 report

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2757
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.70
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	11954	11649	11692
55	8511	8317	8293
65	6039	6240	6104
75	4826	4741	4824
85	4231	4312	4203

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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>	3452.903	3452.903	3452.903	3452.903	3452.903
<b>5</b>	3330.735	3457.623	3452.056	3516.944	3444.949
<b>10</b>	3473.046	3407.573	3410.430	3416.413	3412.163
<b>15</b>	3159.310	3163.306	3114.827	3133.569	3171.091
<b>20</b>	2080.016	2089.449	2071.947	2073.779	2104.541
<b>25</b>	1255.508	1251.774	1264.556	1259.235	1257.710
<b>30</b>	686.278	676.399	680.641	678.532	672.880
<b>35</b>	471.856	466.620	458.974	458.674	463.086
<b>40</b>	335.004	346.631	343.967	340.648	351.359
<b>45</b>	285.331	277.962	278.055	274.582	279.079
<b>50</b>	242.997	240.486	237.129	240.278	243.050
<b>55</b>	197.189	193.647	192.700	195.457	192.123
<b>60</b>	160.429	156.857	160.152	158.705	160.306
<b>65</b>	131.416	135.890	135.789	136.321	132.833
<b>70</b>	113.459	110.472	113.013	113.814	114.653
<b>75</b>	95.056	97.975	93.370	96.158	95.010
<b>80</b>	86.425	82.390	80.642	82.290	83.260
<b>85</b>	72.049	69.231	73.435	69.847	71.579
<b>90</b>	60.945	59.775	58.135	65.542	66.312

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Zone	Lumens	%Lamp	%Fixt
0-20	1148.47	N.A.	41.70
0-30	1743.88	N.A.	63.30
0-40	2046.57	N.A.	74.20
0-60	2442.52	N.A.	88.60
0-80	2678.94	N.A.	97.20
0-90	2757.06	N.A.	100.00
10-90	2428.63	N.A.	88.10
20-40	898.09	N.A.	32.60
20-50	1117.98	N.A.	40.50
40-70	530.20	N.A.	19.20
60-80	236.41	N.A.	8.60
70-80	102.17	N.A.	3.70
80-90	78.12	N.A.	2.80
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	2757.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	328.43
10-20	820.04
20-30	595.40
30-40	302.69
40-50	219.89
50-60	176.07
60-70	134.25
70-80	102.17
80-90	78.12
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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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

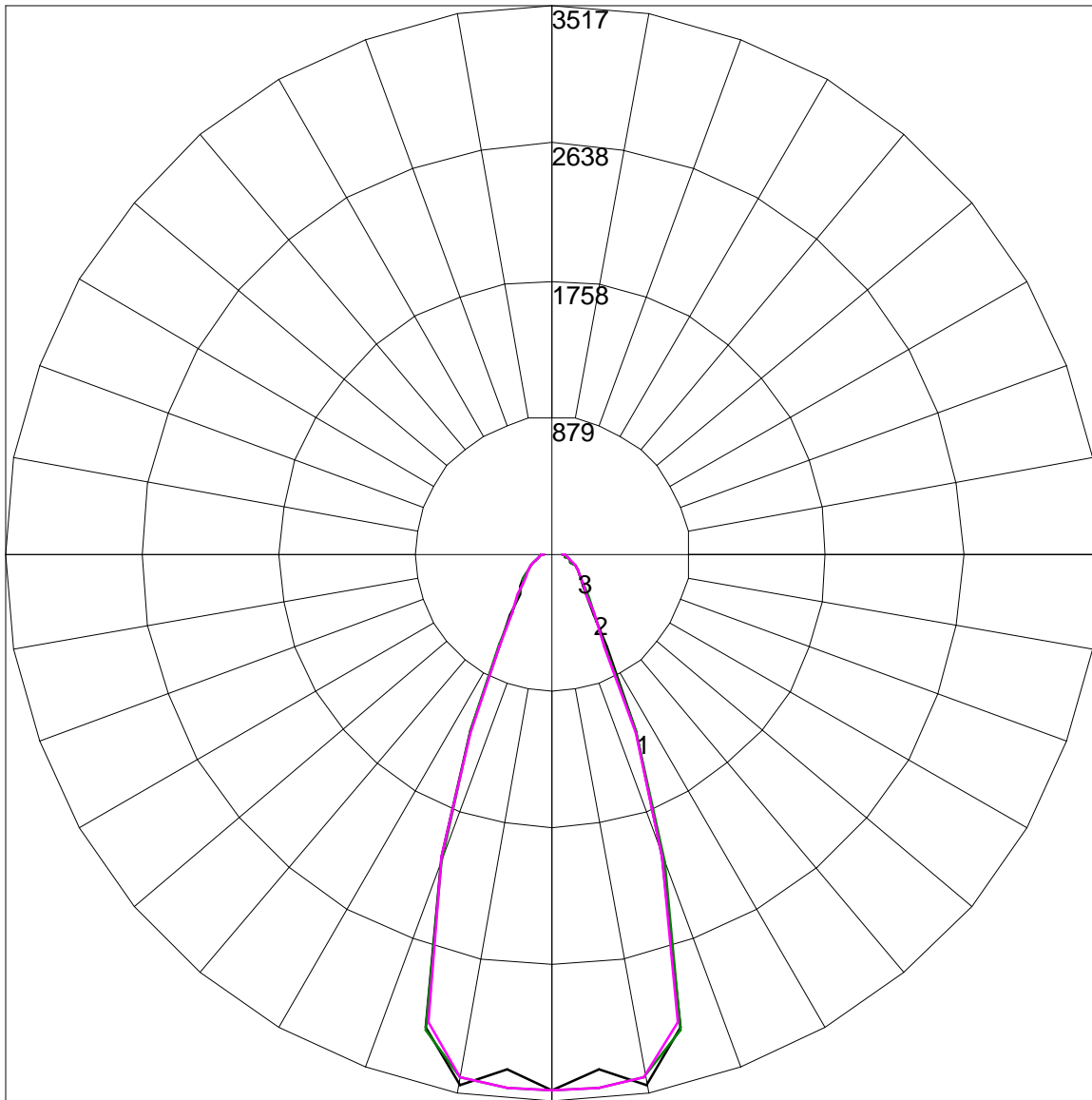
Effective Floor Cavity Reflectance 0.20

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	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	104	98	93	89	102	96	91	87	93	89	86	90	87	84	87	84	82	80
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67
5	88	78	71	66	86	77	71	66	75	70	65	73	68	65	72	67	64	62
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : RDF06LEDXT-40LXXKXWE1-RD6FMWSO-FACY4.IES

## POLAR GRAPH



Maximum Candela = 3516.944 Located At Horizontal Angle = 67.5, 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)