

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKMDE1-RD6FMWSO-FACY2.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] Tue Jun 14 2016

[TEST] SP-00476\_23\_M-10L

[MANUFAC] Spectrum Lighting

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

[LUMINAIRE] 6" aperture recessed LED downlight w/ 2"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	682
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.68
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	2920	2937	2908
55	2201	2195	2178
65	1744	1620	1736
75	1315	1300	1349
85	1042	1065	1078

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKMDE1-RD6FMWSO-FACY2.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>	1033.208	1033.208	1033.208	1033.208	1033.208
<b>5</b>	1012.941	998.372	984.613	1013.451	1002.376
<b>10</b>	939.310	932.499	931.186	935.193	927.913
<b>15</b>	789.165	787.670	794.454	789.071	785.763
<b>20</b>	591.609	595.046	589.420	592.962	593.915
<b>25</b>	365.372	367.787	365.696	365.374	358.704
<b>30</b>	179.164	178.519	178.722	180.453	181.105
<b>35</b>	113.980	112.864	109.871	112.685	113.048
<b>40</b>	71.788	73.633	73.406	74.959	73.093
<b>45</b>	53.695	52.975	54.013	53.519	53.475
<b>50</b>	46.185	44.546	43.896	44.261	43.577
<b>55</b>	37.029	36.676	36.917	36.898	36.639
<b>60</b>	30.502	30.646	30.228	30.235	28.089
<b>65</b>	25.702	24.930	23.872	24.407	25.584
<b>70</b>	20.203	20.165	19.929	19.929	19.615
<b>75</b>	16.058	15.469	15.870	15.247	16.476
<b>80</b>	12.435	12.640	12.547	12.792	13.000
<b>85</b>	9.702	10.625	9.918	10.297	10.040
<b>90</b>	8.540	8.955	9.148	8.585	9.258

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Zone	Lumens	%Lamp	%Fixt
0-20	309.62	N.A.	45.40
0-30	479.00	N.A.	70.20
0-40	552.96	N.A.	81.00
0-60	629.42	N.A.	92.20
0-80	670.99	N.A.	98.30
0-90	682.42	N.A.	100.00
10-90	588.91	N.A.	86.30
20-40	243.34	N.A.	35.70
20-50	286.67	N.A.	42.00
40-70	101.10	N.A.	14.80
60-80	41.57	N.A.	6.10
70-80	16.93	N.A.	2.50
80-90	11.43	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	682.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	93.51
10-20	216.11
20-30	169.38
30-40	73.96
40-50	43.33
50-60	33.13
60-70	24.64
70-80	16.93
80-90	11.43
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

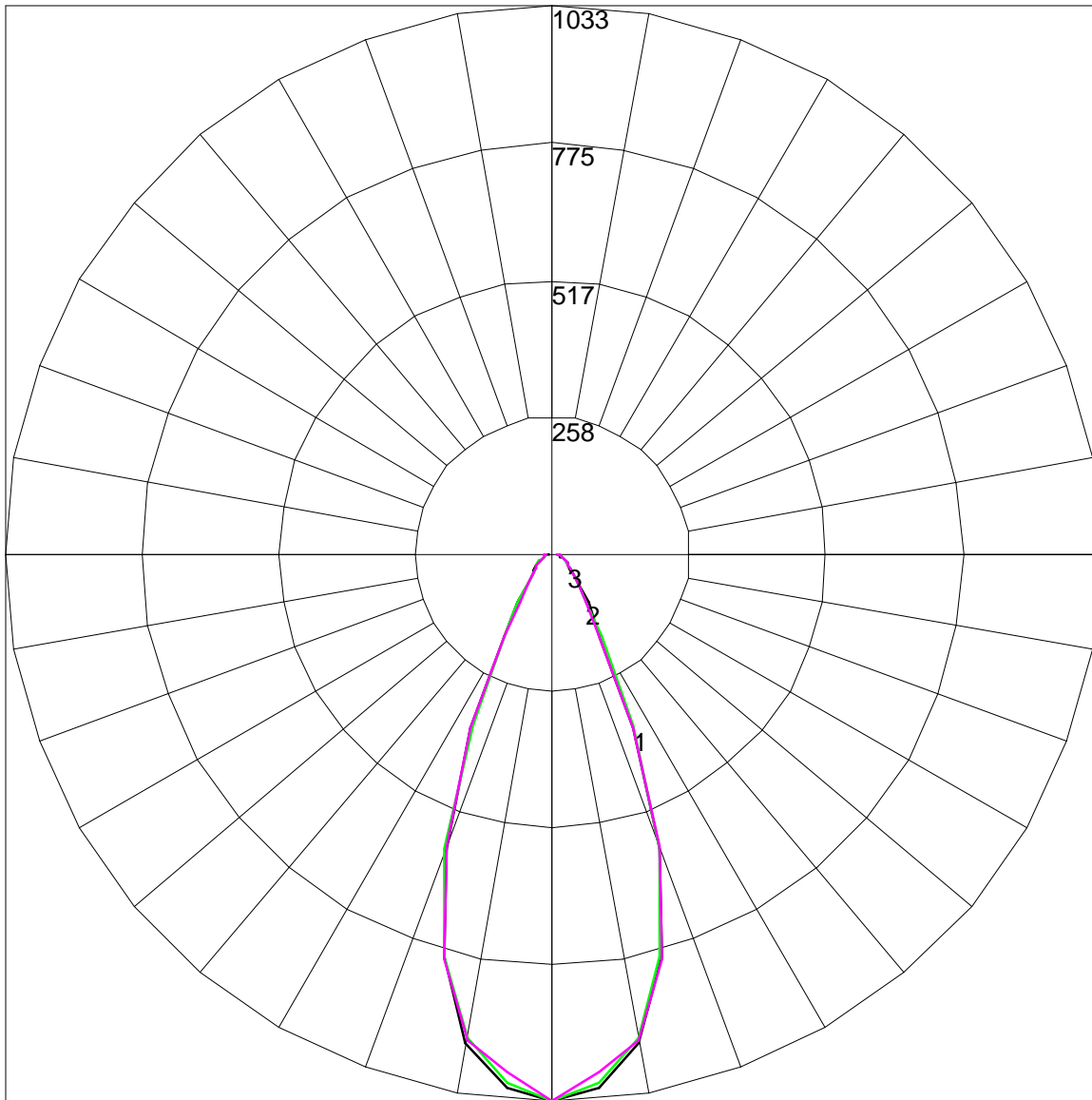
Effective Floor Cavity Reflectance 0.20

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	93	88	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	75	71	89	80	75	70	79	73	70	77	72	69	75	71	68	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	82	72	66	62	81	72	66	62	70	65	61	69	64	61	68	64	61	59
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	50

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PHOTOMETRIC FILENAME : RDF06LEDXT-10LXXKMDE1-RD6FMWSO-FACY2.IES

## POLAR GRAPH



Maximum Candela = 1033.208 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)