

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKMDE1-RD6FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri May 13 2016

[UPDATE] Tue Jun 14 2016

[TEST] SP-00476_25_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-40L-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	2612
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	39.9
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	10478	10446	10408
55	7652	7557	7428
65	5733	5782	5482
75	4649	4625	4365
85	3589	3780	3792

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKMDE1-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>
0	4138.257	4138.257	4138.257	4138.257	4138.257
5	3973.700	3993.328	4014.503	4016.443	4104.392
10	3736.671	3706.749	3749.931	3717.675	3725.483
15	2992.058	2967.002	2988.285	2984.674	2932.499
20	1855.053	1868.451	1857.209	1863.808	1859.881
25	1033.386	1032.108	1044.821	1050.349	1046.461
30	674.897	687.641	685.054	688.095	669.222
35	404.312	402.541	399.014	398.098	397.536
40	299.984	304.296	297.297	298.521	306.329
45	250.104	253.707	249.341	248.225	248.425
50	208.631	211.450	209.910	213.298	210.279
55	177.277	177.146	175.090	173.496	172.095
60	145.168	145.969	142.812	145.853	148.964
65	124.771	124.909	125.841	123.685	119.296
70	105.605	104.366	102.456	105.706	107.631
75	91.561	88.681	91.091	87.749	85.963
80	73.689	75.113	75.352	76.168	73.150
85	61.115	63.733	64.380	65.265	64.588
90	57.049	56.772	55.917	56.187	54.809

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Zone	Lumens	%Lamp	%Fixt
0-20	1170.66	N.A.	44.80
0-30	1693.49	N.A.	64.80
0-40	1969.97	N.A.	75.40
0-60	2323.21	N.A.	88.90
0-80	2541.27	N.A.	97.30
0-90	2611.99	N.A.	100.00
10-90	2237.55	N.A.	85.70
20-40	799.31	N.A.	30.60
20-50	994.51	N.A.	38.10
40-70	476.73	N.A.	18.30
60-80	218.06	N.A.	8.30
70-80	94.58	N.A.	3.60
80-90	70.72	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	2611.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	374.44
10-20	796.21
20-30	522.83
30-40	276.48
40-50	195.20
50-60	158.05
60-70	123.49
70-80	94.58
80-90	70.72
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

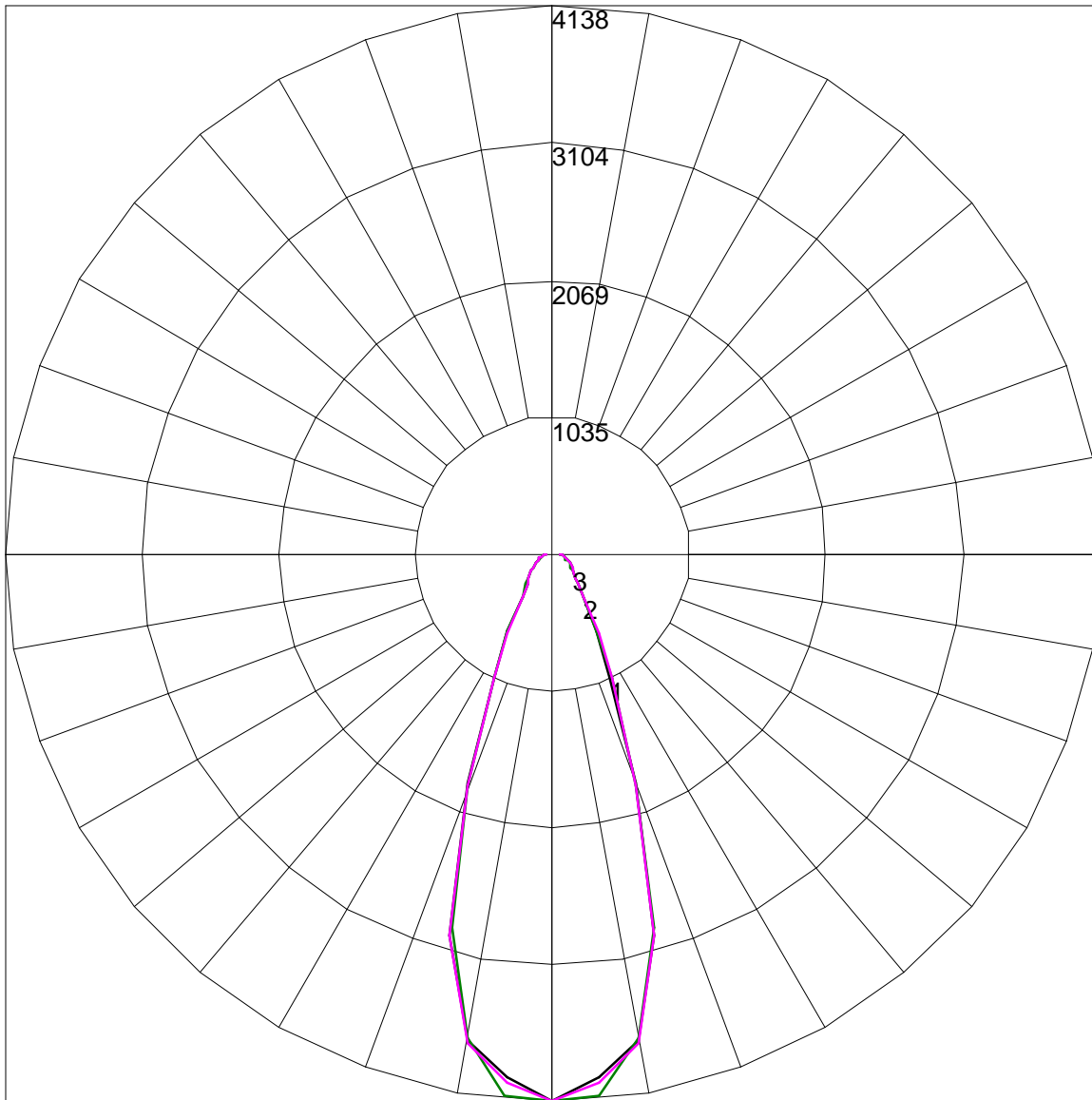
Effective Floor Cavity Reflectance 0.20

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	108	104	101	109	105	102	100	101	99	97	97	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

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POLAR GRAPH



Maximum Candela = 4138.257 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)