

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKNDE1-RD6FMWSO-FACY2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri May 13 2016

[UPDATE] Tue Jun 14 2016

[TEST] SP-00476_22_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-40L-xxK-ND-E1-RD6F-MW-SO-FACY2

[LUMINAIRE] 6" aperture recessed LED downlight w/ 2"H Frosted Clear Acrylic Cylinder Element

[OTHER] Narrow 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	3259
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.54
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	7544	7480	7860
55	5840	5705	5792
65	4711	4551	4475
75	3637	3730	3681
85	3415	3047	3148

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKNDE1-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>
0	8937.859	8937.859	8937.859	8937.859	8937.859
5	8339.646	8355.955	8266.265	8400.207	8366.712
10	6896.859	6824.025	6899.354	6828.429	6917.179
15	4775.032	4741.467	4747.212	4748.844	4789.107
20	2832.799	2832.545	2858.740	2846.959	2830.304
25	1362.423	1355.061	1357.063	1362.854	1341.340
30	460.984	466.042	464.695	471.086	468.098
35	251.289	265.134	263.779	255.317	267.074
40	182.621	175.606	180.888	173.057	172.880
45	138.739	137.437	137.560	140.294	144.544
50	114.599	114.468	115.592	116.724	114.099
55	98.229	91.253	95.965	93.085	97.428
60	77.593	79.579	78.378	81.389	79.826
65	69.439	64.118	67.082	65.743	65.958
70	52.314	55.117	54.085	55.686	53.299
75	44.406	43.189	45.545	44.637	44.945
80	37.422	34.427	35.428	37.576	37.514
85	31.801	28.251	28.374	29.791	29.314
90	27.173	24.686	26.157	25.079	22.615

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Zone	Lumens	%Lamp	%Fixt
0-20	2066.05	N.A.	63.40
0-30	2737.21	N.A.	84.00
0-40	2917.35	N.A.	89.50
0-60	3113.15	N.A.	95.50
0-80	3226.56	N.A.	99.00
0-90	3259.26	N.A.	100.00
10-90	2508.6	N.A.	77.00
20-40	851.30	N.A.	26.10
20-50	961.25	N.A.	29.50
40-70	261.75	N.A.	8.00
60-80	113.41	N.A.	3.50
70-80	47.46	N.A.	1.50
80-90	32.70	N.A.	1.00
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	3259.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	750.66
10-20	1315.4
20-30	671.16
30-40	180.14
40-50	109.95
50-60	85.85
60-70	65.95
70-80	47.46
80-90	32.70
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

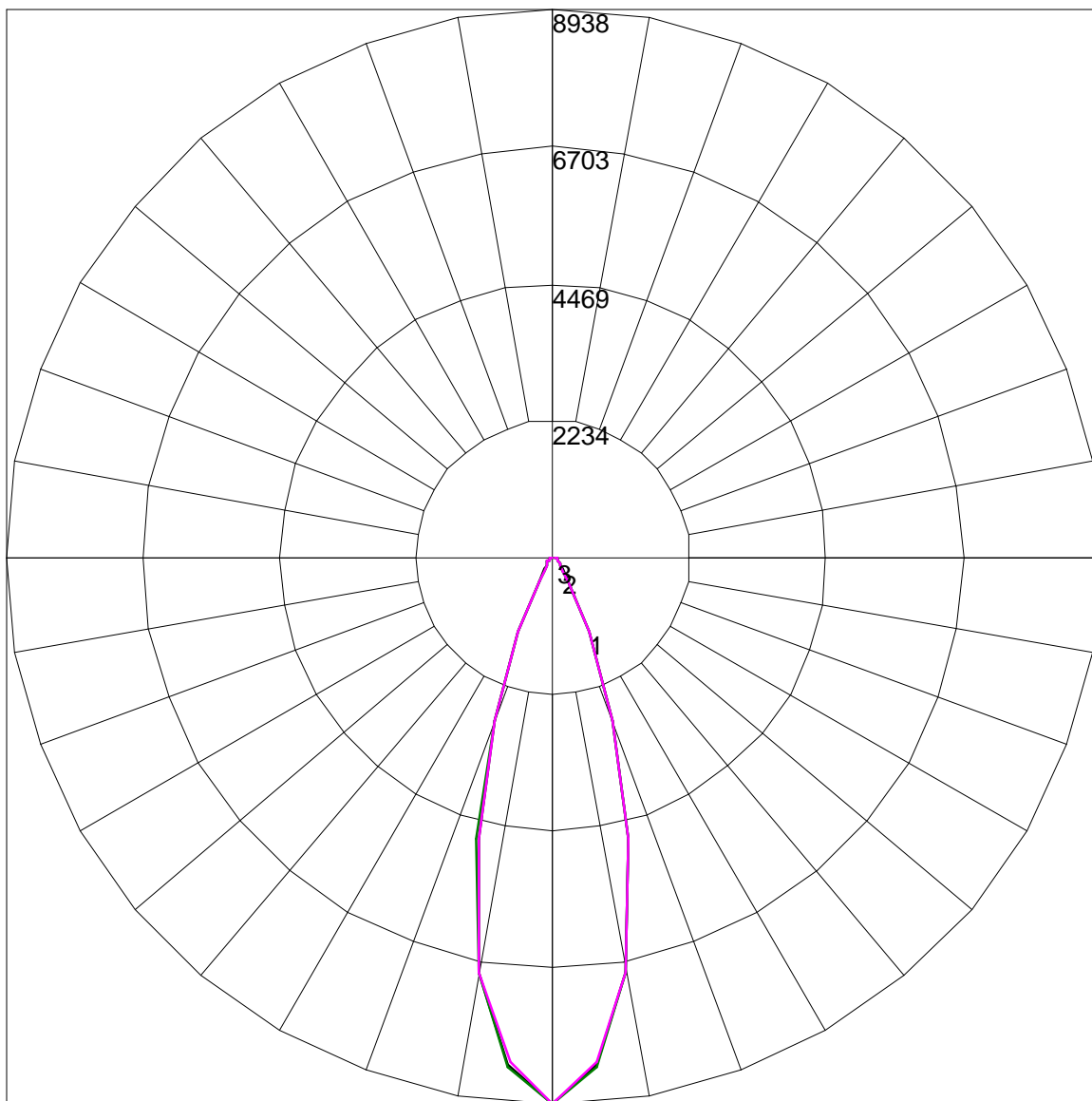
Effective Floor Cavity Reflectance 0.20

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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	75
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	70	69
8	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64
10	80	72	67	63	79	71	67	63	70	66	63	70	66	63	69	65	63	62

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PHOTOMETRIC FILENAME : RDF06LEDXT-40LXXKNDE1-RD6FMWSO-FACY2.IES

POLAR GRAPH



Maximum Candela = 8937.859 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)