

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-40LXXKMDE1-RD4FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Thu May 12 2016

[UPDATE] Fri May 13 2016

[TEST] SP-00480_14

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-40L-xxK-MD-E1-RD4F-MW-SO-FACY4

[LUMINAIRE] 4" 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2210
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	55
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)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 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	17935	17687	17629
55	14187	14128	14414
65	11746	11302	11378
75	9012	8818	8973
85	6760	6708	6774

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-40LXXKMDE1-RD4FMWSO-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	3963.27	3963.27	3963.27	3963.27	3963.27
5	3713.54	3737.10	3725.72	3721.02	3754.89
10	3024.99	3038.15	3034.86	3041.45	3053.37
15	2114.77	2106.98	2118.05	2097.82	2116.50
20	1268.74	1267.42	1260.84	1267.59	1267.61
25	844.64	847.39	856.07	849.02	861.68
30	459.54	458.03	465.77	463.80	460.70
35	323.50	321.99	321.51	321.69	320.34
40	261.52	265.82	267.85	263.54	262.90
45	233.94	234.36	230.71	235.26	229.96
50	207.62	213.08	213.24	210.06	208.95
55	186.11	186.62	185.33	188.42	189.09
60	166.19	165.02	167.91	166.78	165.79
65	150.28	145.99	144.59	145.05	145.57
70	125.72	126.65	125.68	127.58	124.64
75	108.87	106.01	106.53	107.65	108.40
80	89.43	88.40	89.18	88.13	89.69
85	74.36	72.93	73.79	74.72	74.51
90	64.17	64.02	63.50	63.52	64.64

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Zone	Lumens	%Lamp	%Fixt
0-20	917.65	N.A.	41.50
0-30	1305.93	N.A.	59.10
0-40	1519.22	N.A.	68.80
0-60	1869.44	N.A.	84.60
0-80	2127.75	N.A.	96.30
0-90	2209.73	N.A.	100.00
10-90	1875.65	N.A.	84.90
20-40	601.56	N.A.	27.20
20-50	783.52	N.A.	35.50
40-70	495.06	N.A.	22.40
60-80	258.32	N.A.	11.70
70-80	113.48	N.A.	5.10
80-90	81.97	N.A.	3.70
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	2209.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	334.07
10-20	583.58
20-30	388.28
30-40	213.28
40-50	181.96
50-60	168.26
60-70	144.84
70-80	113.48
80-90	81.97
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

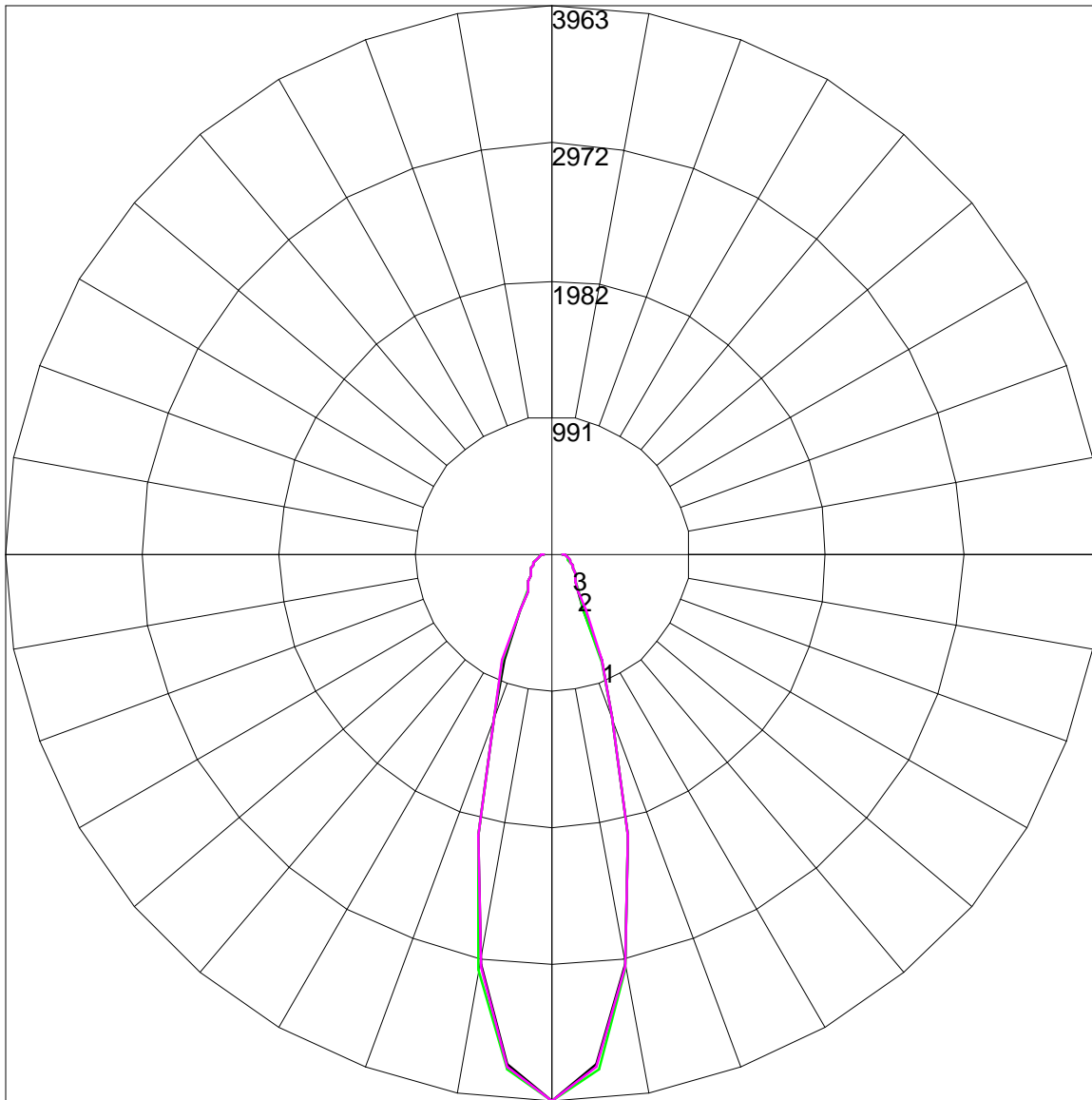
Effective Floor Cavity Reflectance 0.20

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	63	58	54	53
8	74	63	57	52	73	63	56	52	62	56	52	61	55	52	60	55	51	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47
10	68	57	51	47	67	57	51	47	56	50	47	55	50	47	54	50	46	45

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POLAR GRAPH



Maximum Candela = 3963.27 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)