

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-50LXXKMDE1-RD6FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri May 13 2016

[UPDATE] Thu Jun 9 2016

[TEST] SP-00476_25

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-50L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3392
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	54
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	13608	13566	13516
55	9937	9815	9647
65	7446	7510	7119
75	6037	6006	5668
85	4660	4909	4925

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-50LXXKMDE1-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	5374.36	5374.36	5374.36	5374.36	5374.36
5	5160.65	5186.14	5213.64	5216.16	5330.38
10	4852.82	4813.96	4870.04	4828.15	4838.29
15	3885.79	3853.25	3880.89	3876.20	3808.44
20	2409.16	2426.56	2411.96	2420.53	2415.43
25	1342.06	1340.40	1356.91	1364.09	1359.04
30	876.49	893.04	889.68	893.63	869.12
35	525.08	522.78	518.20	517.01	516.28
40	389.59	395.19	386.10	387.69	397.83
45	324.81	329.49	323.82	322.37	322.63
50	270.95	274.61	272.61	277.01	273.09
55	230.23	230.06	227.39	225.32	223.50
60	188.53	189.57	185.47	189.42	193.46
65	162.04	162.22	163.43	160.63	154.93
70	137.15	135.54	133.06	137.28	139.78
75	118.91	115.17	118.30	113.96	111.64
80	95.70	97.55	97.86	98.92	95.00
85	79.37	82.77	83.61	84.76	83.88
90	74.09	73.73	72.62	72.97	71.18

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Zone	Lumens	%Lamp	%Fixt
0-20	1520.33	N.A.	44.80
0-30	2199.33	N.A.	64.80
0-40	2558.4	N.A.	75.40
0-60	3017.16	N.A.	88.90
0-80	3300.36	N.A.	97.30
0-90	3392.2	N.A.	100.00
10-90	2905.91	N.A.	85.70
20-40	1038.07	N.A.	30.60
20-50	1291.57	N.A.	38.10
40-70	619.13	N.A.	18.30
60-80	283.20	N.A.	8.30
70-80	122.83	N.A.	3.60
80-90	91.84	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	3392.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	486.29
10-20	1034.04
20-30	679.00
30-40	359.07
40-50	253.50
50-60	205.26
60-70	160.37
70-80	122.83
80-90	91.84
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

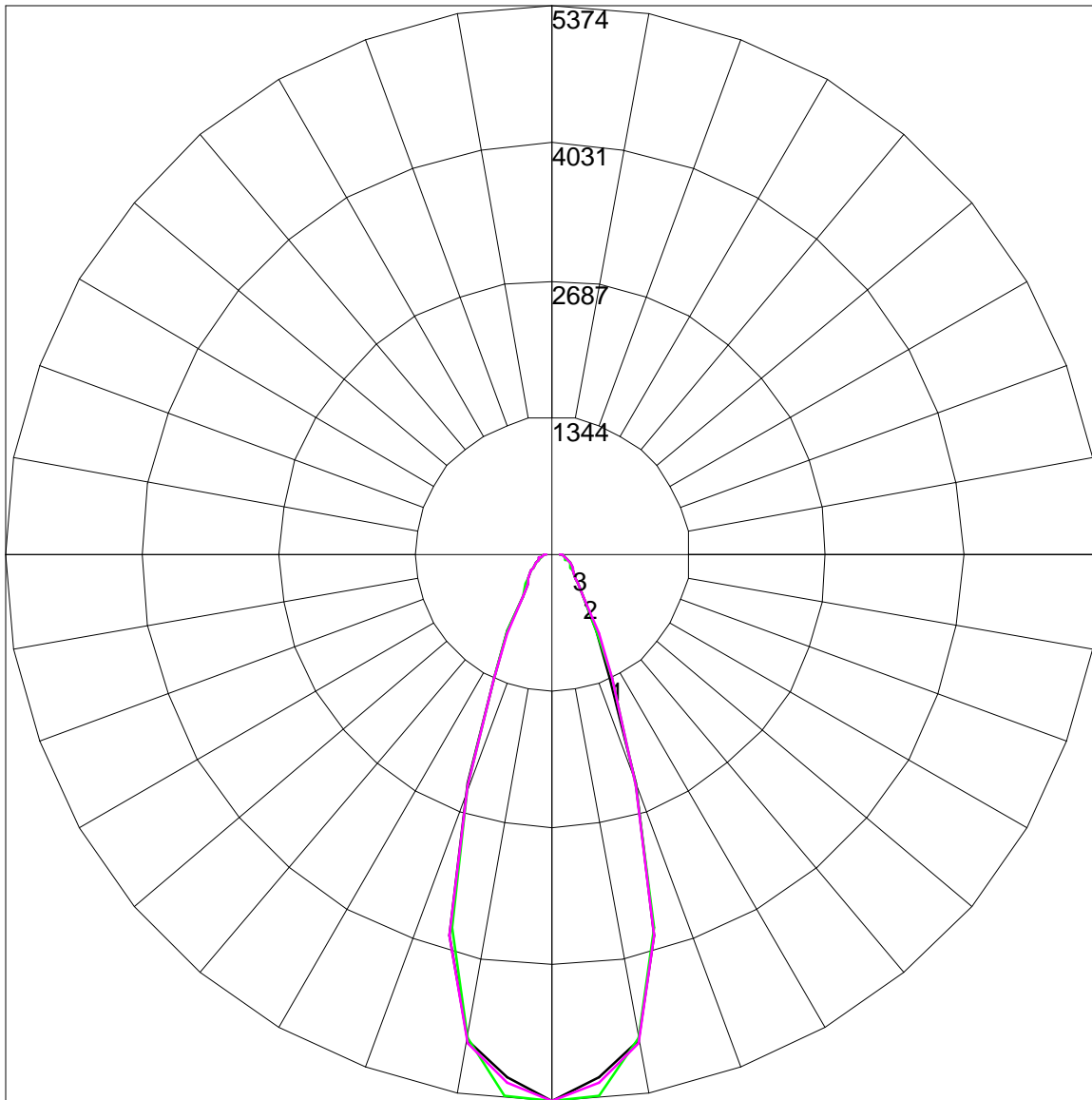
Effective Floor Cavity Reflectance 0.20

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 = 5374.36 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)