

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-50LXXKWDE1-RD6FMWSO-FACY2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 10 2016

[UPDATE] Wed Sep 28 2016

[TEST] SP-00476_28

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-50L-xxK-WD-E1-RD6F-MW-SO-FACY2

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

[OTHER] wide 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	3664
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	54
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.74
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	17093	16998	17370
55	12104	12189	12913
65	9574	9629	9312
75	7773	7488	7458
85	6341	6569	6765

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-50LXXKWDE1-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	4375.74	4375.74	4375.74	4375.74	4375.74
5	4386.76	4349.90	4402.70	4442.49	4325.41
10	4564.70	4494.18	4492.41	4550.78	4528.57
15	4293.02	4282.17	4255.36	4310.75	4312.74
20	3483.44	3444.77	3482.27	3496.21	3542.51
25	1998.89	1930.57	1957.97	1956.62	1966.83
30	993.84	986.58	973.74	968.87	973.75
35	588.10	590.56	601.07	600.11	607.00
40	392.45	394.56	400.47	393.72	393.14
45	314.35	301.68	312.60	306.08	319.44
50	252.15	250.43	248.87	248.50	253.53
55	203.60	205.56	205.02	206.36	217.20
60	174.09	169.48	173.91	170.92	175.27
65	141.12	143.38	141.92	141.96	137.25
70	115.41	111.24	114.53	116.81	115.54
75	94.91	88.42	91.44	93.20	91.07
80	75.88	74.09	72.81	75.63	74.22
85	59.04	61.78	61.16	61.01	62.99
90	50.49	50.08	52.62	51.92	51.04

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Zone	Lumens	%Lamp	%Fixt
0-20	1586.5	N.A.	43.30
0-30	2528.63	N.A.	69.00
0-40	2926.27	N.A.	79.90
0-60	3356.79	N.A.	91.60
0-80	3596.18	N.A.	98.20
0-90	3663.87	N.A.	100.00
10-90	3240.41	N.A.	88.40
20-40	1339.76	N.A.	36.60
20-50	1583.3	N.A.	43.20
40-70	571.67	N.A.	15.60
60-80	239.40	N.A.	6.50
70-80	98.24	N.A.	2.70
80-90	67.68	N.A.	1.80
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	3663.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	423.46
10-20	1163.04
20-30	942.13
30-40	397.64
40-50	243.53
50-60	186.99
60-70	141.15
70-80	98.24
80-90	67.68
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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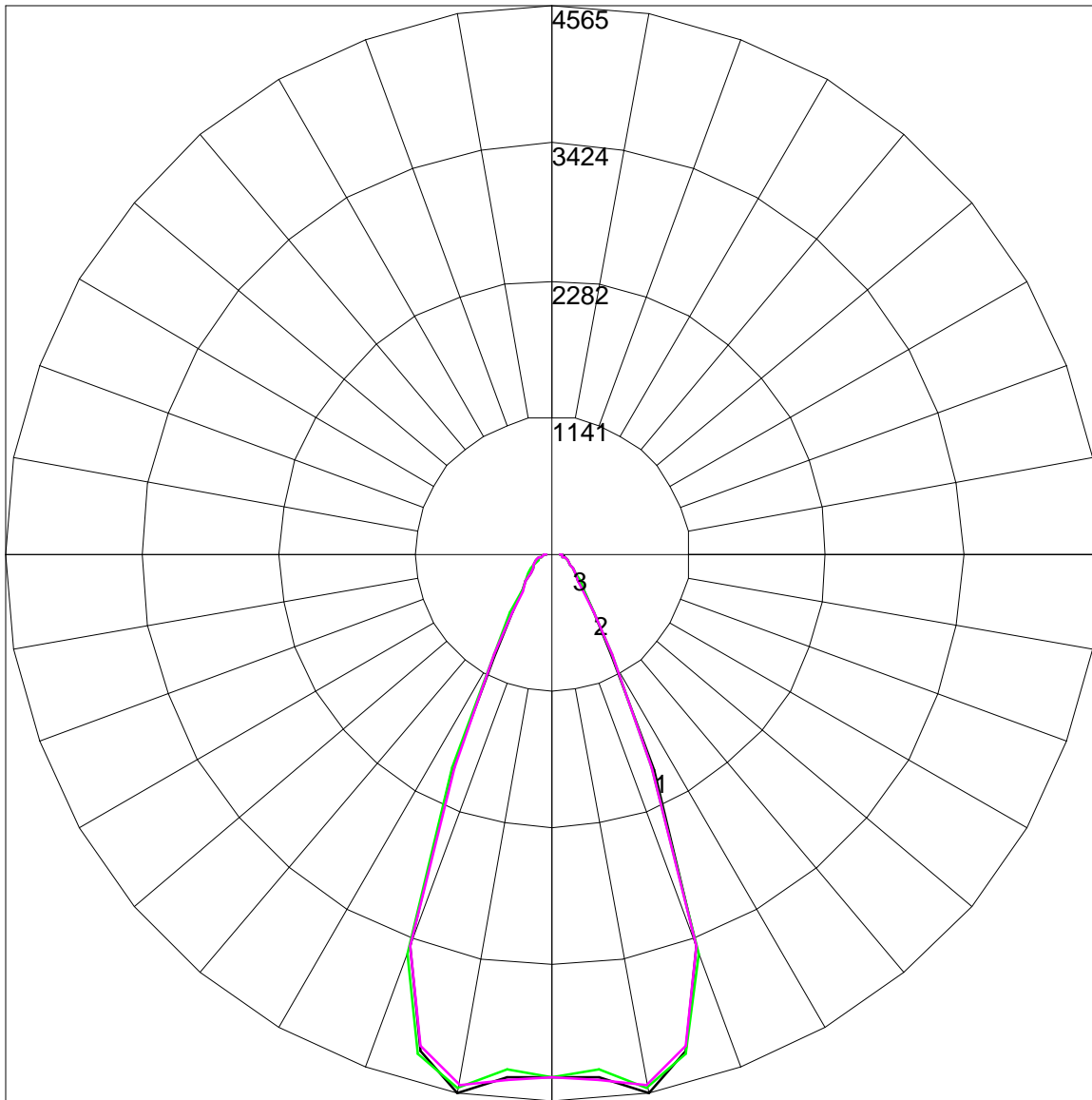
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72	70
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	61	57	76	67	61	57	65	60	56	64	60	56	63	59	56	54
9	74	64	58	53	73	63	57	53	62	57	53	61	56	53	60	56	53	51
10	71	61	55	51	69	60	54	51	59	54	50	58	54	50	58	53	50	49

POLAR GRAPH



Maximum Candela = 4564.7 Located At Horizontal Angle = 0, Vertical Angle = 10

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)