

IES INDOOR REPORT

PHOTOMETRIC FILENAME : RDFO6LEDXT-50LXXKWDE1-RD6FMWSO-FACY4.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 10 2016

[UPDATE] Wed Sep 28 2016

[TEST] SP-00476_26

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-50L-xxK-WD-E1-RD6F-MW-SO-FACY4

[LUMINAIRE] 6" aperture recessed LED downlight w/ 4"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	3480
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	54
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.66
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	15178	15104	15240
55	11306	11123	10751
65	8318	8172	8482
75	6678	6820	6550
85	5795	5753	5670

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-50LXXKWDE1-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	4381.43	4381.43	4381.43	4381.43	4381.43
5	4471.75	4453.62	4388.85	4531.92	4427.39
10	4527.14	4494.84	4516.62	4478.62	4560.25
15	4064.22	4128.55	4095.82	4102.27	4081.28
20	2412.97	2435.11	2436.17	2424.87	2455.29
25	1359.20	1360.88	1356.80	1368.34	1368.16
30	834.70	817.24	832.87	840.04	835.71
35	590.73	582.97	578.02	586.53	575.56
40	451.86	438.60	441.68	442.20	448.17
45	362.29	364.88	360.52	370.91	363.77
50	310.61	311.71	313.39	316.55	316.34
55	261.93	257.02	257.69	260.52	249.09
60	213.11	214.87	217.92	211.19	215.24
65	181.02	178.56	177.84	182.21	184.60
70	156.44	154.12	153.68	158.74	153.77
75	131.52	133.93	134.33	132.75	129.00
80	111.58	114.60	113.97	113.67	111.04
85	98.69	96.33	97.97	95.83	96.56
90	78.74	87.33	87.83	87.86	92.48

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-50LXXKWDE1-RD6FMWSO-FACY4.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1475.34	N.A.	42.40
0-30	2150.98	N.A.	61.80
0-40	2530.35	N.A.	72.70
0-60	3050.48	N.A.	87.70
0-80	3372.72	N.A.	96.90
0-90	3480.28	N.A.	100.00
10-90	3053.94	N.A.	87.70
20-40	1055.02	N.A.	30.30
20-50	1341.74	N.A.	38.60
40-70	701.15	N.A.	20.10
60-80	322.23	N.A.	9.30
70-80	141.22	N.A.	4.10
80-90	107.56	N.A.	3.10
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	3480.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	426.33
10-20	1049.00
20-30	675.65
30-40	379.37
40-50	286.72
50-60	233.41
60-70	181.02
70-80	141.22
80-90	107.56
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : RDFO6LEDXT-50LXXKWDE1-RD6FMWSO-FACY4.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

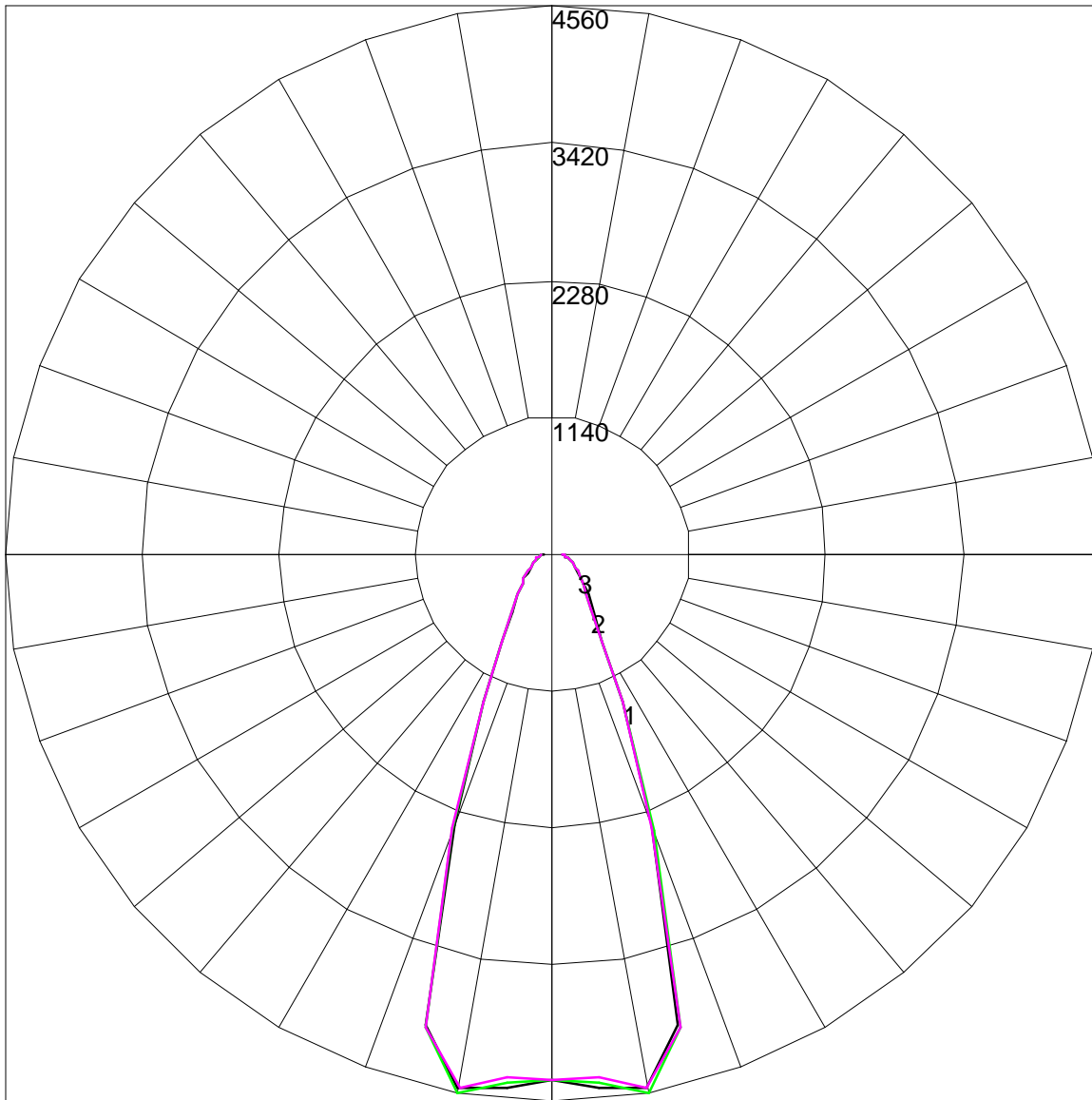
Effective Floor Cavity Reflectance 0.20

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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51
9	71	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48
10	68	58	52	48	67	58	52	48	57	51	47	56	51	47	55	51	47	46

IES INDOOR REPORT

PHOTOMETRIC FILENAME : RDF06LEDXT-50LXXKWDE1-RD6FMWSO-FACY4.IES

POLAR GRAPH



Maximum Candela = 4560.25 Located At Horizontal Angle = 90, 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)