

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKXWE1-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 Jun 10 2016

[UPDATE] Tue Jan 10 2017

[TEST] SP-00476_27_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-30L-xxK-XW-E1-RD6F-MW-SO-FACY4

[LUMINAIRE] 6" aperture recessed LED downlight w/ 4"H Frosted Clear Acrylic Cylinder Element

[OTHER] Xtra 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, scaled from 50L report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2148
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.70
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	9315	9077	9110
55	6632	6481	6462
65	4705	4862	4756
75	3761	3694	3759
85	3297	3360	3275

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2690.574	2690.574	2690.574	2690.574	2690.574
5	2595.378	2694.252	2689.914	2740.476	2684.376
10	2706.270	2655.252	2657.478	2662.140	2658.828
15	2461.800	2464.914	2427.138	2441.742	2470.980
20	1620.792	1628.142	1614.504	1615.932	1639.902
25	978.318	975.408	985.368	981.222	980.034
30	534.762	527.064	530.370	528.726	524.322
35	367.680	363.600	357.642	357.408	360.846
40	261.042	270.102	268.026	265.440	273.786
45	222.336	216.594	216.666	213.960	217.464
50	189.348	187.392	184.776	187.230	189.390
55	153.654	150.894	150.156	152.304	149.706
60	125.010	122.226	124.794	123.666	124.914
65	102.402	105.888	105.810	106.224	103.506
70	88.410	86.082	88.062	88.686	89.340
75	74.070	76.344	72.756	74.928	74.034
80	67.344	64.200	62.838	64.122	64.878
85	56.142	53.946	57.222	54.426	55.776
90	47.490	46.578	45.300	51.072	51.672

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Zone	Lumens	%Lamp	%Fixt
0-20	894.91	N.A.	41.70
0-30	1358.86	N.A.	63.30
0-40	1594.73	N.A.	74.20
0-60	1903.27	N.A.	88.60
0-80	2087.48	N.A.	97.20
0-90	2148.36	N.A.	100.00
10-90	1892.44	N.A.	88.10
20-40	699.81	N.A.	32.60
20-50	871.16	N.A.	40.60
40-70	413.15	N.A.	19.20
60-80	184.22	N.A.	8.60
70-80	79.61	N.A.	3.70
80-90	60.87	N.A.	2.80
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	2148.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	255.92
10-20	639.00
20-30	463.95
30-40	235.86
40-50	171.34
50-60	137.20
60-70	104.61
70-80	79.61
80-90	60.87
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

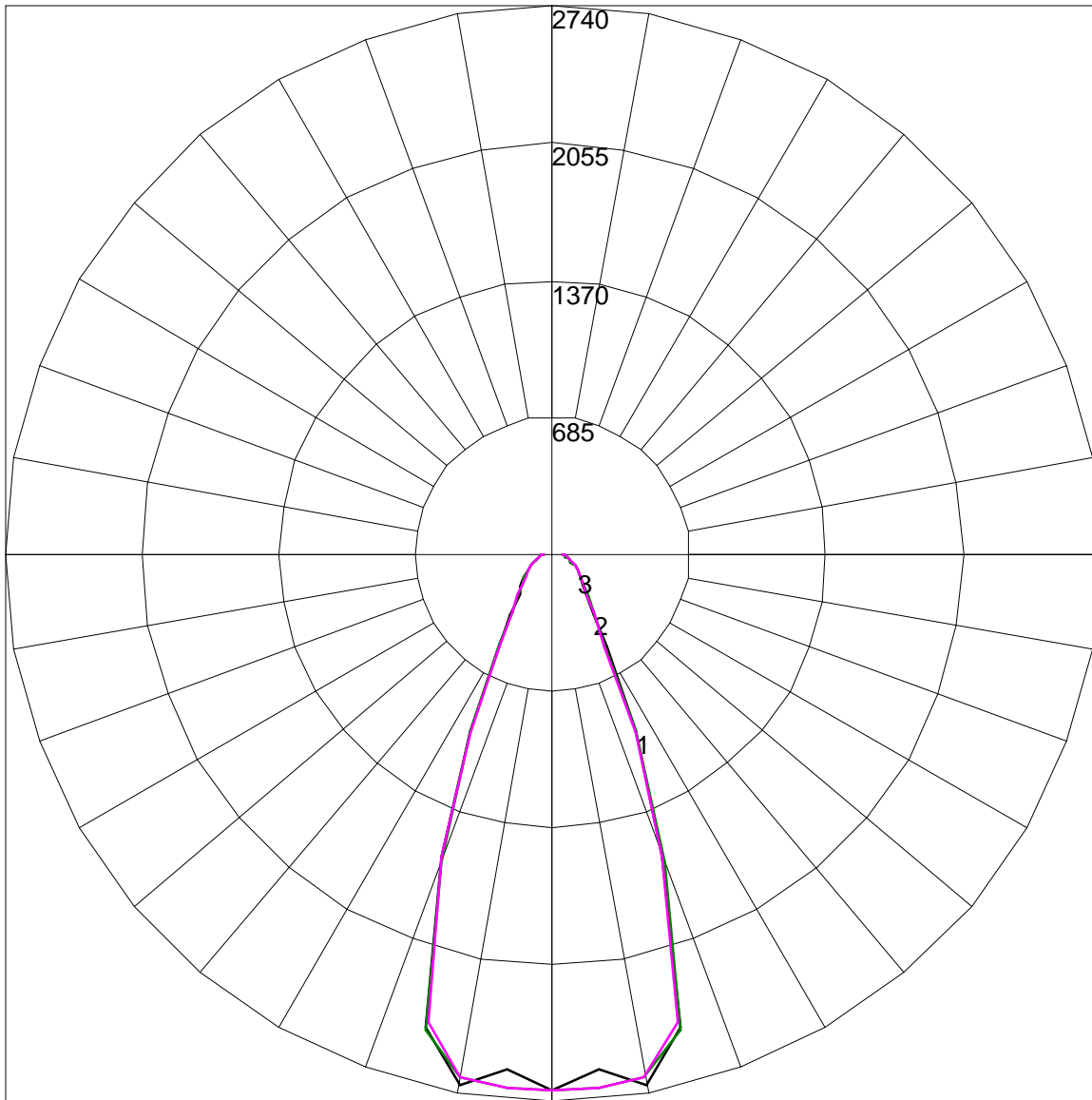
Effective Floor Cavity Reflectance 0.20

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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	93	89	102	96	92	87	93	89	86	90	87	84	87	84	82	80
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	88	78	71	66	86	77	71	66	75	70	65	73	68	65	72	67	64	62
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46

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POLAR GRAPH



Maximum Candela = 2740.476 Located At Horizontal Angle = 67.5, Vertical Angle = 5

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

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

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