

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKWDE1-RD6FMWSO-FACY2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Jun 10 2016

[UPDATE] Tue Jan 10 2017

[TEST] SP-00476_28_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-30L-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, scaled from 50L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2198
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	34.6
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	10256	10199	10422
55	7263	7313	7748
65	5745	5777	5587
75	4664	4493	4475
85	3805	3941	4059

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKWDE1-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	2625.444	2625.444	2625.444	2625.444	2625.444
5	2632.056	2609.940	2641.620	2665.494	2595.246
10	2738.820	2696.508	2695.446	2730.468	2717.142
15	2575.812	2569.302	2553.216	2586.450	2587.644
20	2090.064	2066.862	2089.362	2097.726	2125.506
25	1199.334	1158.342	1174.782	1173.972	1180.098
30	596.304	591.948	584.244	581.322	584.250
35	352.860	354.336	360.642	360.066	364.200
40	235.470	236.736	240.282	236.232	235.884
45	188.610	181.008	187.560	183.648	191.664
50	151.290	150.258	149.322	149.100	152.118
55	122.160	123.336	123.012	123.816	130.320
60	104.454	101.688	104.346	102.552	105.162
65	84.672	86.028	85.152	85.176	82.350
70	69.246	66.744	68.718	70.086	69.324
75	56.946	53.052	54.864	55.920	54.642
80	45.528	44.454	43.686	45.378	44.532
85	35.424	37.068	36.696	36.606	37.794
90	30.294	30.048	31.572	31.152	30.624

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Zone	Lumens	%Lamp	%Fixt
0-20	951.90	N.A.	43.30
0-30	1517.18	N.A.	69.00
0-40	1755.76	N.A.	79.90
0-60	2014.07	N.A.	91.60
0-80	2157.71	N.A.	98.20
0-90	2198.32	N.A.	100.00
10-90	1944.24	N.A.	88.40
20-40	803.86	N.A.	36.60
20-50	949.98	N.A.	43.20
40-70	343.00	N.A.	15.60
60-80	143.64	N.A.	6.50
70-80	58.95	N.A.	2.70
80-90	40.61	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	2198.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	254.08
10-20	697.82
20-30	565.28
30-40	238.58
40-50	146.12
50-60	112.19
60-70	84.69
70-80	58.95
80-90	40.61
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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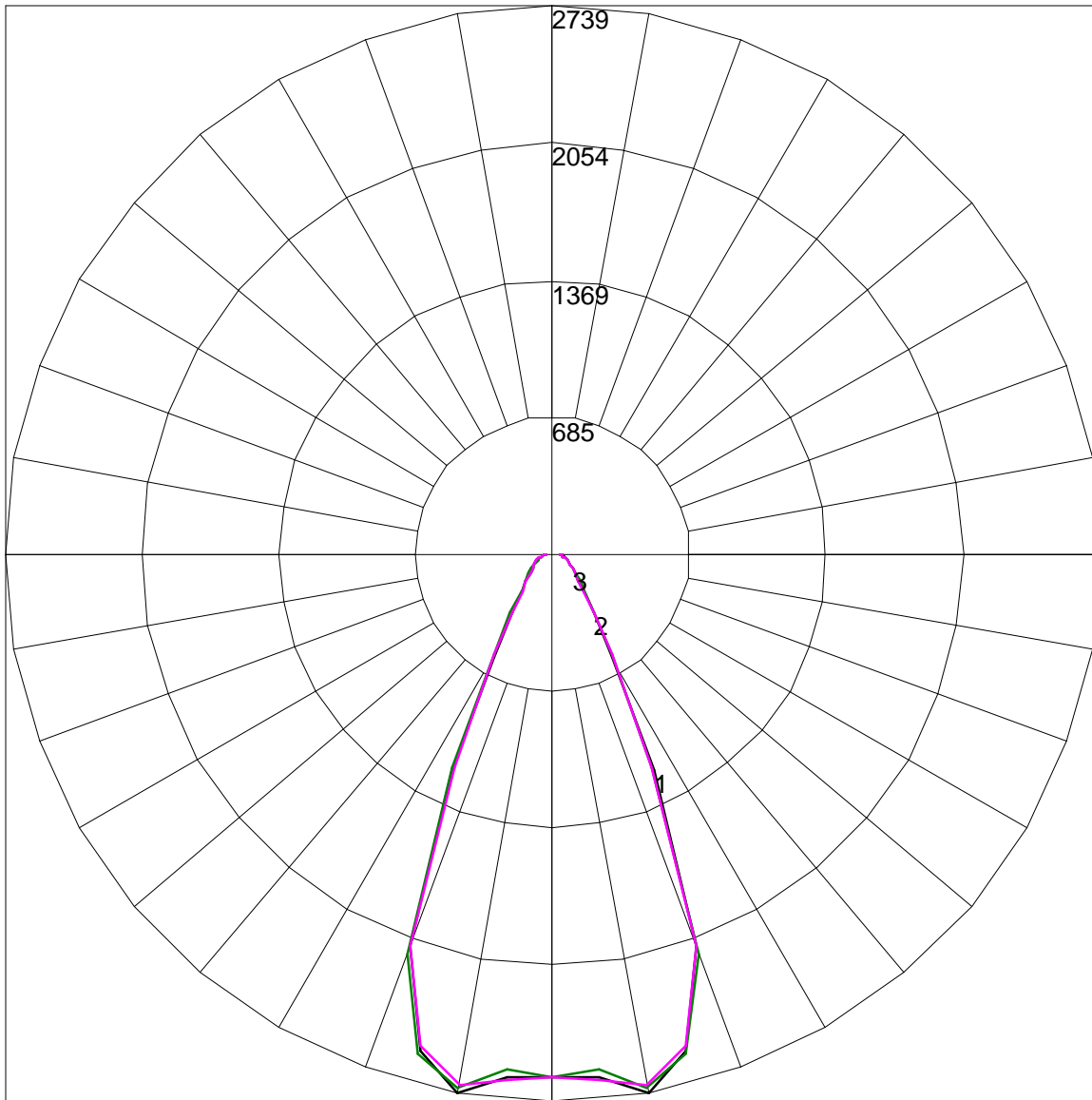
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	66	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 = 2738.82 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)