

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKXWE1-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_29_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-30L-xxK-XW-E1-RD6F-MW-SO-FACY2

[LUMINAIRE] 6" aperture recessed LED downlight w/ 2"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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2254
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
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)	0.76
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	9583	9627	9896
55	7026	7039	6996
65	5437	5429	5441
75	4120	4040	4019
85	3576	3528	3598

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKXWE1-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	2689.206	2689.206	2689.206	2689.206	2689.206
5	2693.838	2681.310	2691.486	2700.204	2721.372
10	2683.890	2674.302	2667.078	2661.300	2696.406
15	2509.542	2475.720	2502.486	2486.010	2496.564
20	2089.296	2073.930	2072.898	2077.980	2070.738
25	1317.690	1315.578	1325.802	1323.816	1315.842
30	719.862	716.754	702.654	709.200	697.152
35	437.388	439.164	440.682	435.594	434.088
40	231.684	242.292	228.726	228.144	234.342
45	176.232	182.994	177.048	178.050	181.986
50	146.778	147.336	147.324	144.090	144.498
55	118.176	119.292	118.398	119.916	117.684
60	99.288	96.822	97.578	97.008	96.972
65	80.136	82.332	80.028	80.838	80.196
70	62.220	64.092	64.314	64.350	60.522
75	50.310	50.580	49.332	50.640	49.080
80	41.664	41.478	41.832	40.764	42.582
85	33.300	33.834	32.850	34.434	33.498
90	28.572	29.130	27.918	27.012	29.592

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Zone	Lumens	%Lamp	%Fixt
0-20	939.27	N.A.	41.70
0-30	1552.39	N.A.	68.90
0-40	1833.23	N.A.	81.30
0-60	2082.93	N.A.	92.40
0-80	2217.02	N.A.	98.30
0-90	2254.4	N.A.	100.00
10-90	1997.99	N.A.	88.60
20-40	893.96	N.A.	39.70
20-50	1036.06	N.A.	46.00
40-70	329.59	N.A.	14.60
60-80	134.09	N.A.	5.90
70-80	54.20	N.A.	2.40
80-90	37.38	N.A.	1.70
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	2254.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	256.41
10-20	682.86
20-30	613.12
30-40	280.84
40-50	142.10
50-60	107.61
60-70	79.88
70-80	54.20
80-90	37.38
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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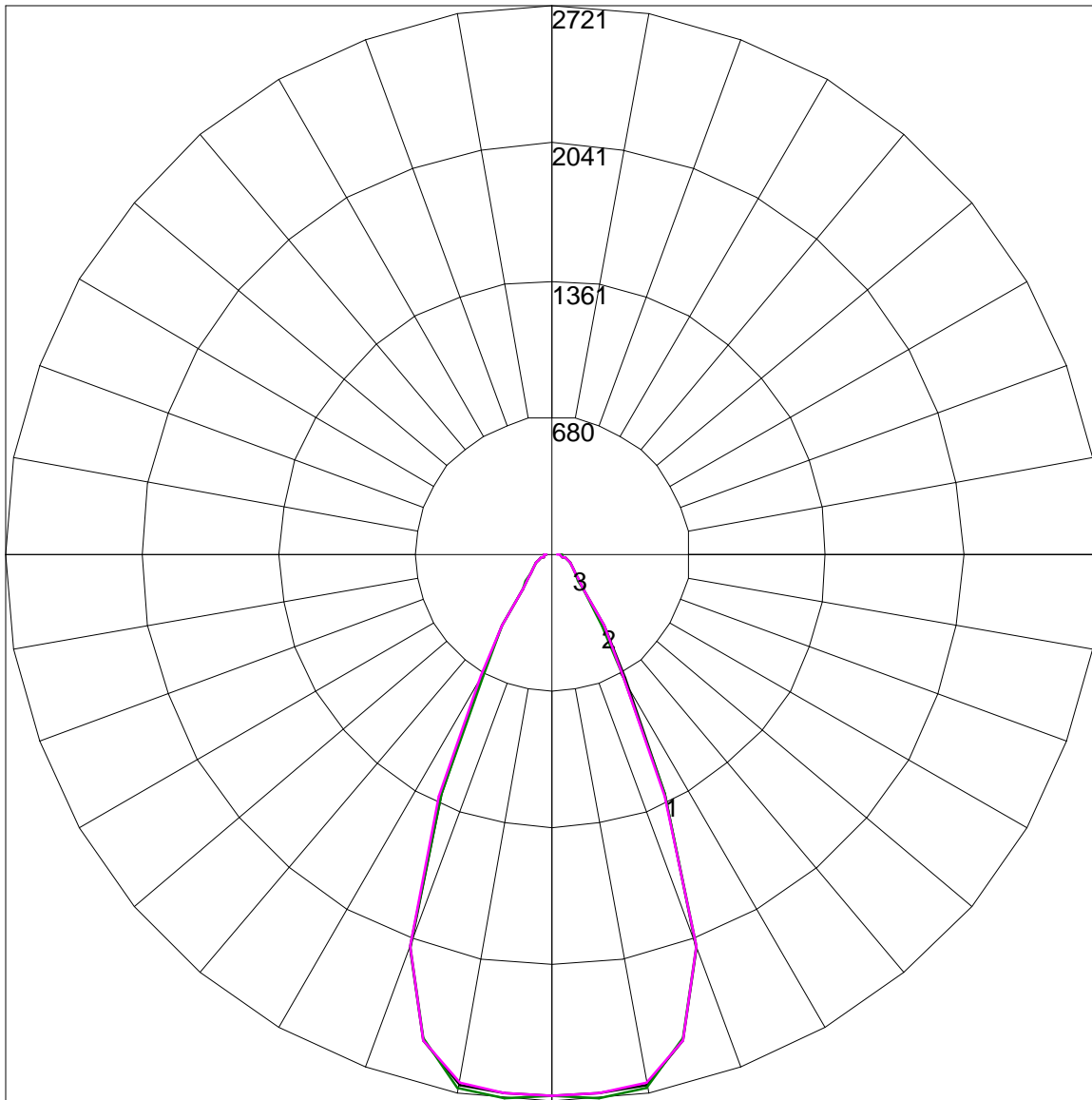
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	103	110	107	104	101	102	100	98	99	97	95	95	94	92	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	100	93	87	82	98	91	86	82	88	84	80	86	82	79	84	81	78	76
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71
5	90	81	74	70	88	80	74	69	78	73	69	76	71	68	74	70	67	66
6	85	76	69	65	84	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	65	60	80	71	64	60	69	64	60	68	63	60	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	70	60	54	51	69	60	54	50	59	54	50	58	54	50	58	53	50	49

POLAR GRAPH



Maximum Candela = 2721.372 Located At Horizontal Angle = 90, 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)