

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-30LXXKMDE1-RD6FMWSO-FACY2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri May 13 2016

[UPDATE] Tue Jun 14 2016

[TEST] SP-00476_23_M-30L

[MANUFAC] Spectrum Lighting

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

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

[OTHER] Medium 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	2122
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.68
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	9077	9131	9040
55	6844	6823	6772
65	5421	5035	5396
75	4088	4041	4195
85	3239	3312	3352

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDF06LEDXT-30LXXKMDE1-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	3212.046	3212.046	3212.046	3212.046	3212.046
5	3149.040	3103.746	3060.972	3150.624	3116.196
10	2920.134	2898.960	2894.880	2907.336	2884.704
15	2453.364	2448.714	2469.804	2453.070	2442.786
20	1839.198	1849.884	1832.394	1843.404	1846.368
25	1135.872	1143.378	1136.880	1135.878	1115.142
30	556.986	554.982	555.612	560.994	563.022
35	354.342	350.874	341.568	350.316	351.444
40	223.176	228.912	228.204	233.034	227.232
45	166.926	164.688	167.916	166.380	166.242
50	143.580	138.486	136.464	137.598	135.474
55	115.116	114.018	114.768	114.708	113.904
60	94.824	95.274	93.972	93.996	87.324
65	79.902	77.502	74.214	75.876	79.536
70	62.808	62.688	61.956	61.956	60.978
75	49.920	48.090	49.338	47.400	51.222
80	38.658	39.294	39.006	39.768	40.416
85	30.162	33.030	30.834	32.010	31.212
90	26.550	27.840	28.440	26.688	28.782

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Zone	Lumens	%Lamp	%Fixt
0-20	962.54	N.A.	45.40
0-30	1489.12	N.A.	70.20
0-40	1719.05	N.A.	81.00
0-60	1956.74	N.A.	92.20
0-80	2085.97	N.A.	98.30
0-90	2121.51	N.A.	100.00
10-90	1830.81	N.A.	86.30
20-40	756.51	N.A.	35.70
20-50	891.20	N.A.	42.00
40-70	314.30	N.A.	14.80
60-80	129.23	N.A.	6.10
70-80	52.62	N.A.	2.50
80-90	35.54	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	2121.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	290.70
10-20	671.84
20-30	526.58
30-40	229.93
40-50	134.69
50-60	103.00
60-70	76.61
70-80	52.62
80-90	35.54
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

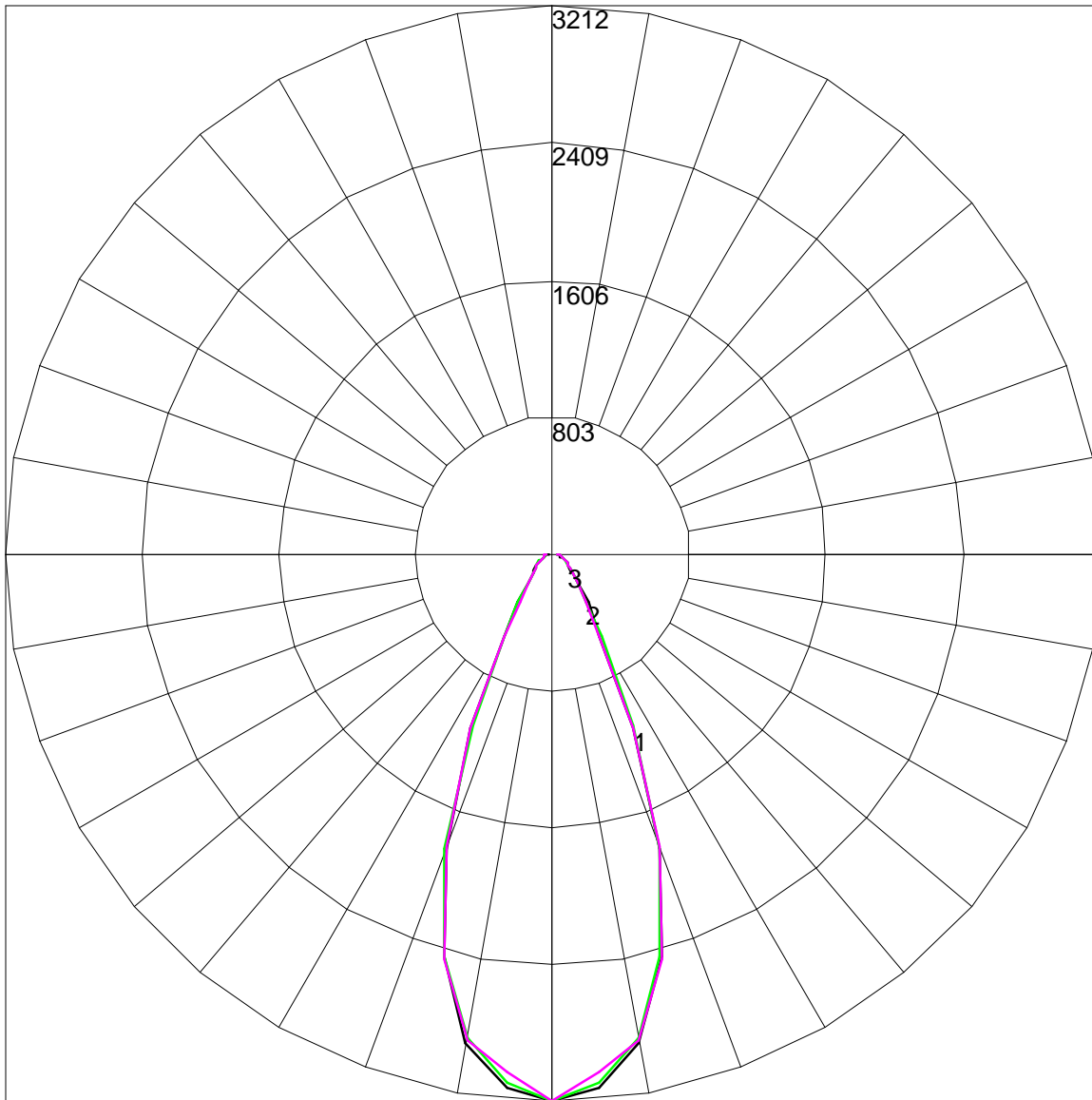
Effective Floor Cavity Reflectance 0.20

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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	75	70	89	80	75	70	79	73	70	77	72	69	75	71	68	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	82	72	66	62	81	72	66	62	70	65	61	69	64	61	68	64	60	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	57	54	53
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50

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POLAR GRAPH



Maximum Candela = 3212.046 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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

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