

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-13LXXKMDE1-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 May 13 2016

[UPDATE] Tue Jun 14 2016

[TEST] SP-00476_23_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-13L-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	919
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	15
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	3933	3957	3917
55	2966	2957	2934
65	2349	2182	2338
75	1772	1751	1818
85	1404	1435	1453

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-13LXXKMDE1-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	1391.887	1391.887	1391.887	1391.887	1391.887
5	1364.584	1344.957	1326.421	1365.270	1350.352
10	1265.391	1256.216	1254.448	1259.846	1250.038
15	1063.124	1061.109	1070.248	1062.997	1058.541
20	796.986	801.616	794.037	798.808	800.093
25	492.211	495.464	492.648	492.214	483.228
30	241.361	240.492	240.765	243.097	243.976
35	153.548	152.045	148.013	151.804	152.292
40	96.710	99.195	98.888	100.981	98.467
45	72.335	71.365	72.764	72.098	72.038
50	62.218	60.011	59.134	59.626	58.705
55	49.884	49.408	49.733	49.707	49.358
60	41.090	41.285	40.721	40.732	37.840
65	34.624	33.584	32.159	32.880	34.466
70	27.217	27.165	26.848	26.848	26.424
75	21.632	20.839	21.380	20.540	22.196
80	16.752	17.027	16.903	17.233	17.514
85	13.070	14.313	13.361	13.871	13.525
90	11.505	12.064	12.324	11.565	12.472

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Zone	Lumens	%Lamp	%Fixt
0-20	417.10	N.A.	45.40
0-30	645.28	N.A.	70.20
0-40	744.92	N.A.	81.00
0-60	847.92	N.A.	92.20
0-80	903.92	N.A.	98.30
0-90	919.32	N.A.	100.00
10-90	793.35	N.A.	86.30
20-40	327.82	N.A.	35.70
20-50	386.18	N.A.	42.00
40-70	136.20	N.A.	14.80
60-80	56.00	N.A.	6.10
70-80	22.80	N.A.	2.50
80-90	15.40	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	919.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	125.97
10-20	291.13
20-30	228.18
30-40	99.64
40-50	58.37
50-60	44.63
60-70	33.20
70-80	22.80
80-90	15.40
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

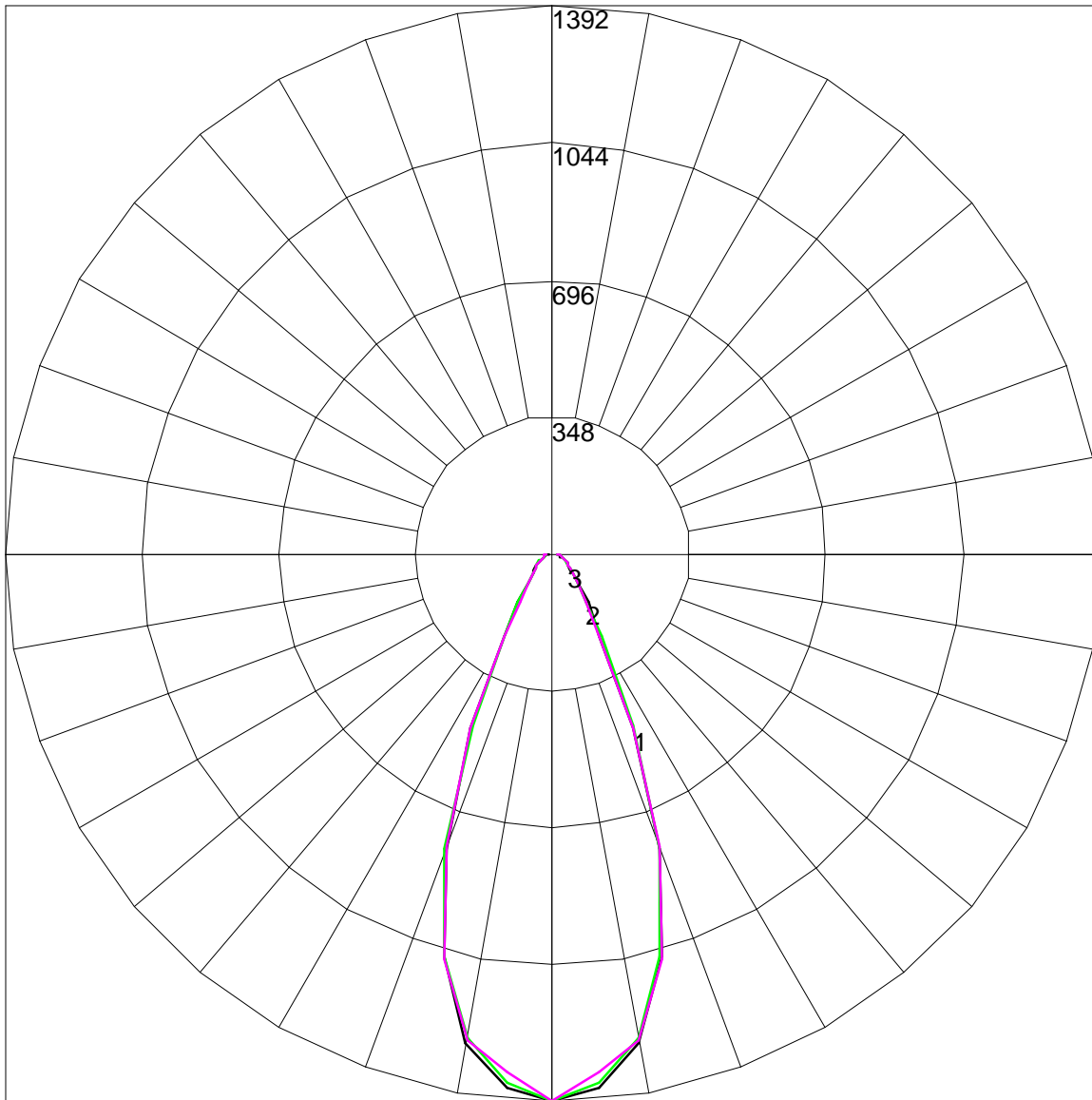
Effective Floor Cavity Reflectance 0.20

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	102	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	88	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	75	71	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	61	59
8	78	68	62	58	77	68	62	58	67	62	58	66	61	58	65	60	57	56
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	72	62	56	52	71	62	56	52	61	56	52	60	55	52	59	55	52	50

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PHOTOMETRIC FILENAME : RDF06LEDXT-13LXXKMDE1-RD6FMWSO-FACY2.IES

POLAR GRAPH



Maximum Candela = 1391.887 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)