

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKMDE1-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-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-40L-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	2723
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	39.9
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	11649	11718	11601
55	8783	8756	8690
65	6957	6462	6925
75	5247	5185	5383
85	4157	4250	4302

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKMDE1-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	4122.126	4122.126	4122.126	4122.126	4122.126
5	4041.268	3983.141	3928.247	4043.301	3999.118
10	3747.505	3720.332	3715.096	3731.081	3702.037
15	3148.484	3142.516	3169.582	3148.106	3134.909
20	2360.304	2374.018	2351.572	2365.702	2369.506
25	1457.702	1467.335	1458.996	1457.710	1431.099
30	714.799	712.227	713.035	719.942	722.545
35	454.739	450.288	438.346	449.572	451.020
40	286.409	293.770	292.862	299.060	291.614
45	214.222	211.350	215.492	213.521	213.344
50	184.261	177.724	175.129	176.584	173.858
55	147.732	146.323	147.286	147.209	146.177
60	121.691	122.268	120.597	120.628	112.066
65	102.541	99.461	95.241	97.374	102.071
70	80.604	80.450	79.510	79.510	78.255
75	64.064	61.715	63.317	60.830	65.735
80	49.611	50.427	50.058	51.036	51.867
85	38.708	42.388	39.570	41.079	40.055
90	34.072	35.728	36.498	34.250	36.937

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Zone	Lumens	%Lamp	%Fixt
0-20	1235.26	N.A.	45.40
0-30	1911.04	N.A.	70.20
0-40	2206.11	N.A.	81.00
0-60	2511.15	N.A.	92.20
0-80	2676.99	N.A.	98.30
0-90	2722.6	N.A.	100.00
10-90	2349.54	N.A.	86.30
20-40	970.85	N.A.	35.70
20-50	1143.7	N.A.	42.00
40-70	403.36	N.A.	14.80
60-80	165.84	N.A.	6.10
70-80	67.53	N.A.	2.50
80-90	45.61	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	2722.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	373.07
10-20	862.19
20-30	675.77
30-40	295.07
40-50	172.85
50-60	132.19
60-70	98.32
70-80	67.53
80-90	45.61
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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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

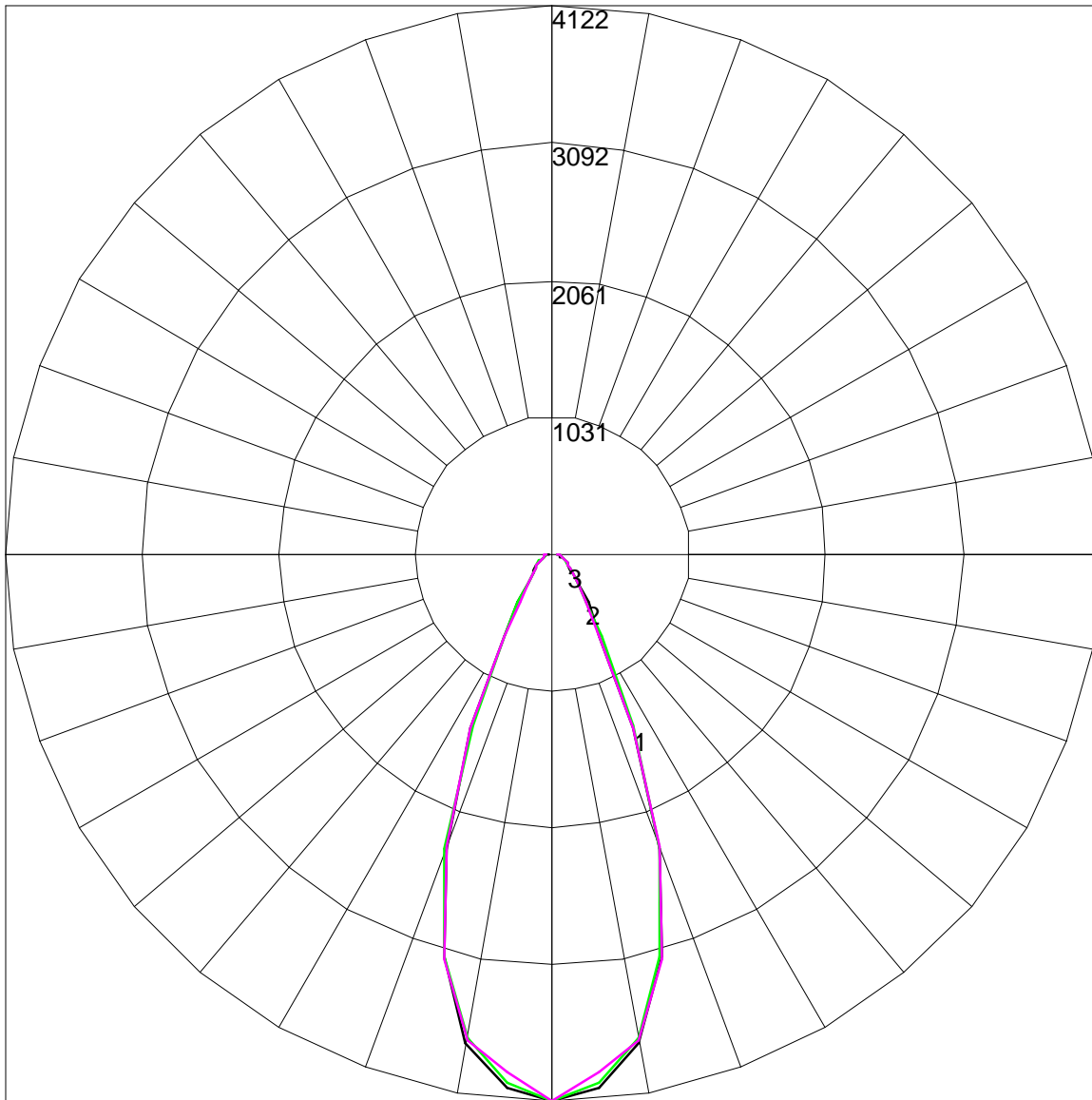
Effective Floor Cavity Reflectance 0.20

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	61	59
8	78	68	62	58	77	68	62	58	67	62	58	66	61	57	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	61	56	52	61	56	52	60	55	52	59	55	52	50

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PHOTOMETRIC FILENAME : RDF06LEDXT-40LXXKMDE1-RD6FMWSO-FACY2.IES

POLAR GRAPH



Maximum Candela = 4122.126 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)