

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKXWE1-RD6FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 10 2016

[UPDATE] Tue Jan 10 2017

[TEST] SP-00476_27_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-10L-xxK-XW-E1-RD6F-MW-SO-FACY4

[LUMINAIRE] 6" aperture recessed LED downlight w/ 4"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 report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	691
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.70
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2996	2920	2931
55	2133	2085	2078
65	1514	1564	1530
75	1210	1188	1209
85	1060	1081	1053

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKXWE1-RD6FMWSO-FACY4.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	865.468	865.468	865.468	865.468	865.468
5	834.847	866.651	865.256	881.520	863.474
10	870.517	854.106	854.822	856.322	855.256
15	791.879	792.881	780.729	785.427	794.832
20	521.355	523.719	519.332	519.791	527.502
25	314.692	313.756	316.960	315.626	315.244
30	172.015	169.539	170.602	170.074	168.657
35	118.270	116.958	115.042	114.966	116.072
40	83.969	86.883	86.215	85.383	88.068
45	71.518	69.671	69.694	68.824	69.951
50	60.907	60.278	59.436	60.226	60.920
55	49.425	48.538	48.300	48.991	48.155
60	40.212	39.316	40.142	39.779	40.181
65	32.939	34.061	34.036	34.169	33.294
70	28.439	27.690	28.327	28.527	28.738
75	23.826	24.557	23.403	24.102	23.814
80	21.662	20.651	20.213	20.626	20.869
85	18.059	17.353	18.406	17.507	17.941
90	15.276	14.983	14.572	16.428	16.621

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Zone	Lumens	%Lamp	%Fixt
0-20	287.86	N.A.	41.70
0-30	437.10	N.A.	63.30
0-40	512.97	N.A.	74.20
0-60	612.22	N.A.	88.60
0-80	671.47	N.A.	97.20
0-90	691.05	N.A.	100.00
10-90	608.73	N.A.	88.10
20-40	225.11	N.A.	32.60
20-50	280.22	N.A.	40.50
40-70	132.90	N.A.	19.20
60-80	59.26	N.A.	8.60
70-80	25.61	N.A.	3.70
80-90	19.58	N.A.	2.80
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	691.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.32
10-20	205.54
20-30	149.24
30-40	75.87
40-50	55.12
50-60	44.13
60-70	33.65
70-80	25.61
80-90	19.58
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

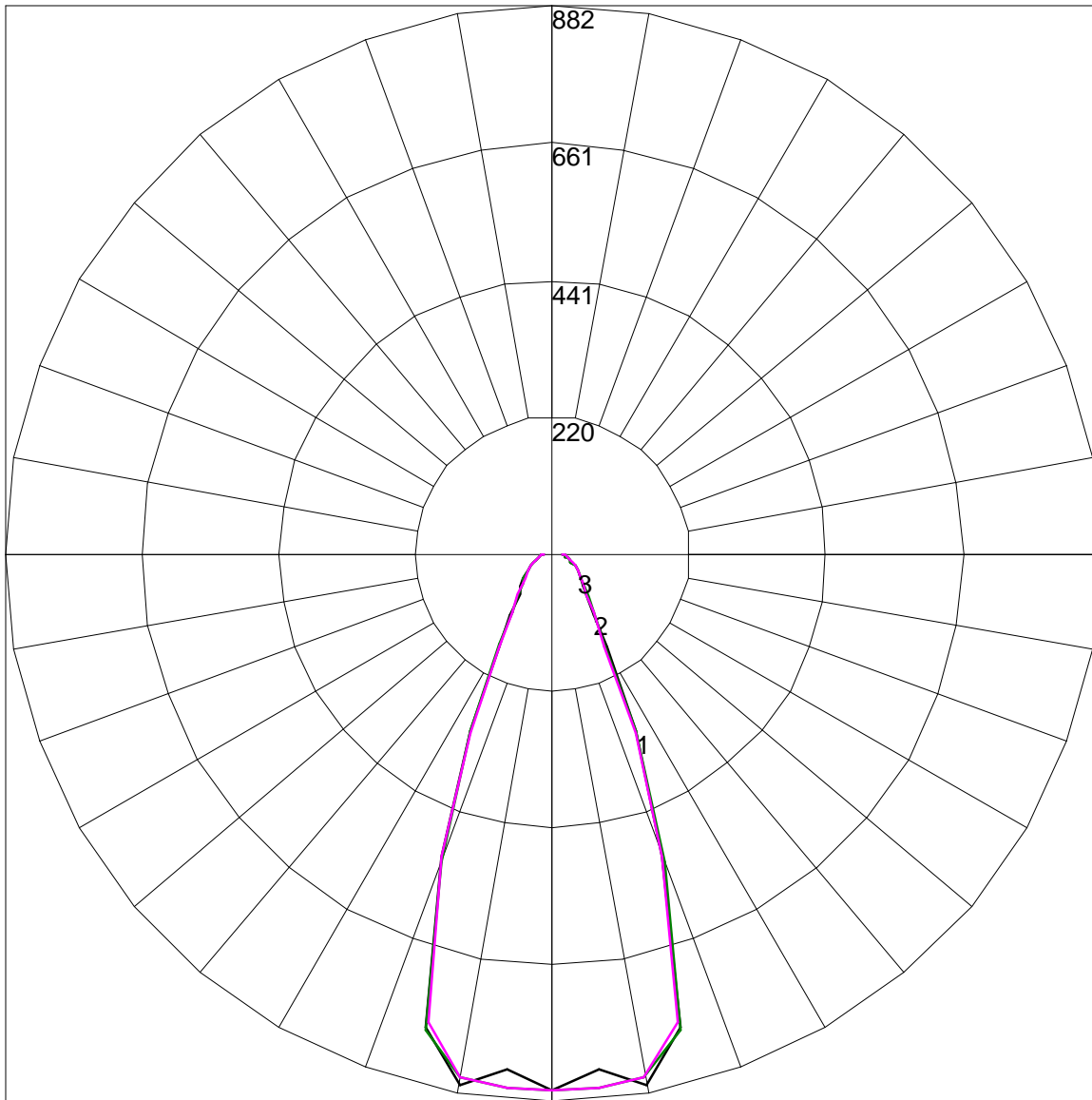
Effective Floor Cavity Reflectance 0.20

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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	104	98	93	89	102	96	91	87	93	89	86	90	87	84	87	84	82	80
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	88	78	71	66	86	77	71	66	75	70	65	73	68	65	72	67	64	62
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46

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PHOTOMETRIC FILENAME : RDF06LEDXT-10LXXKXWE1-RD6FMWSO-FACY4.IES

POLAR GRAPH



Maximum Candela = 881.52 Located At Horizontal Angle = 67.5, 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)