

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-20LXXKWDE1-RD6FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Fri Jun 10 2016

[UPDATE] Wed Sep 28 2016

[TEST] SP-00476_26_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-20L-xxK-WD-E1-RD6F-MW-SO-FACY4

[LUMINAIRE] 6" aperture recessed LED downlight w/ 4"H Frosted Clear Acrylic Cylinder Element

[OTHER] 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	1392
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.66
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	6071	6041	6096
55	4522	4449	4301
65	3327	3269	3393
75	2671	2728	2620
85	2318	2301	2268

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-20LXXKWDE1-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	1752.572	1752.572	1752.572	1752.572	1752.572
5	1788.700	1781.448	1755.540	1812.768	1770.956
10	1810.856	1797.936	1806.648	1791.448	1824.100
15	1625.688	1651.420	1638.328	1640.908	1632.512
20	965.188	974.044	974.468	969.948	982.116
25	543.680	544.352	542.720	547.336	547.264
30	333.880	326.896	333.148	336.016	334.284
35	236.292	233.188	231.208	234.612	230.224
40	180.744	175.440	176.672	176.880	179.268
45	144.916	145.952	144.208	148.364	145.508
50	124.244	124.684	125.356	126.620	126.536
55	104.772	102.808	103.076	104.208	99.636
60	85.244	85.948	87.168	84.476	86.096
65	72.408	71.424	71.136	72.884	73.840
70	62.576	61.648	61.472	63.496	61.508
75	52.608	53.572	53.732	53.100	51.600
80	44.632	45.840	45.588	45.468	44.416
85	39.476	38.532	39.188	38.332	38.624
90	31.496	34.932	35.132	35.144	36.992

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Zone	Lumens	%Lamp	%Fixt
0-20	590.13	N.A.	42.40
0-30	860.39	N.A.	61.80
0-40	1012.14	N.A.	72.70
0-60	1220.19	N.A.	87.70
0-80	1349.09	N.A.	96.90
0-90	1392.11	N.A.	100.00
10-90	1221.58	N.A.	87.80
20-40	422.01	N.A.	30.30
20-50	536.70	N.A.	38.60
40-70	280.46	N.A.	20.10
60-80	128.89	N.A.	9.30
70-80	56.49	N.A.	4.10
80-90	43.02	N.A.	3.10
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	1392.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	170.53
10-20	419.60
20-30	270.26
30-40	151.75
40-50	114.69
50-60	93.36
60-70	72.41
70-80	56.49
80-90	43.02
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

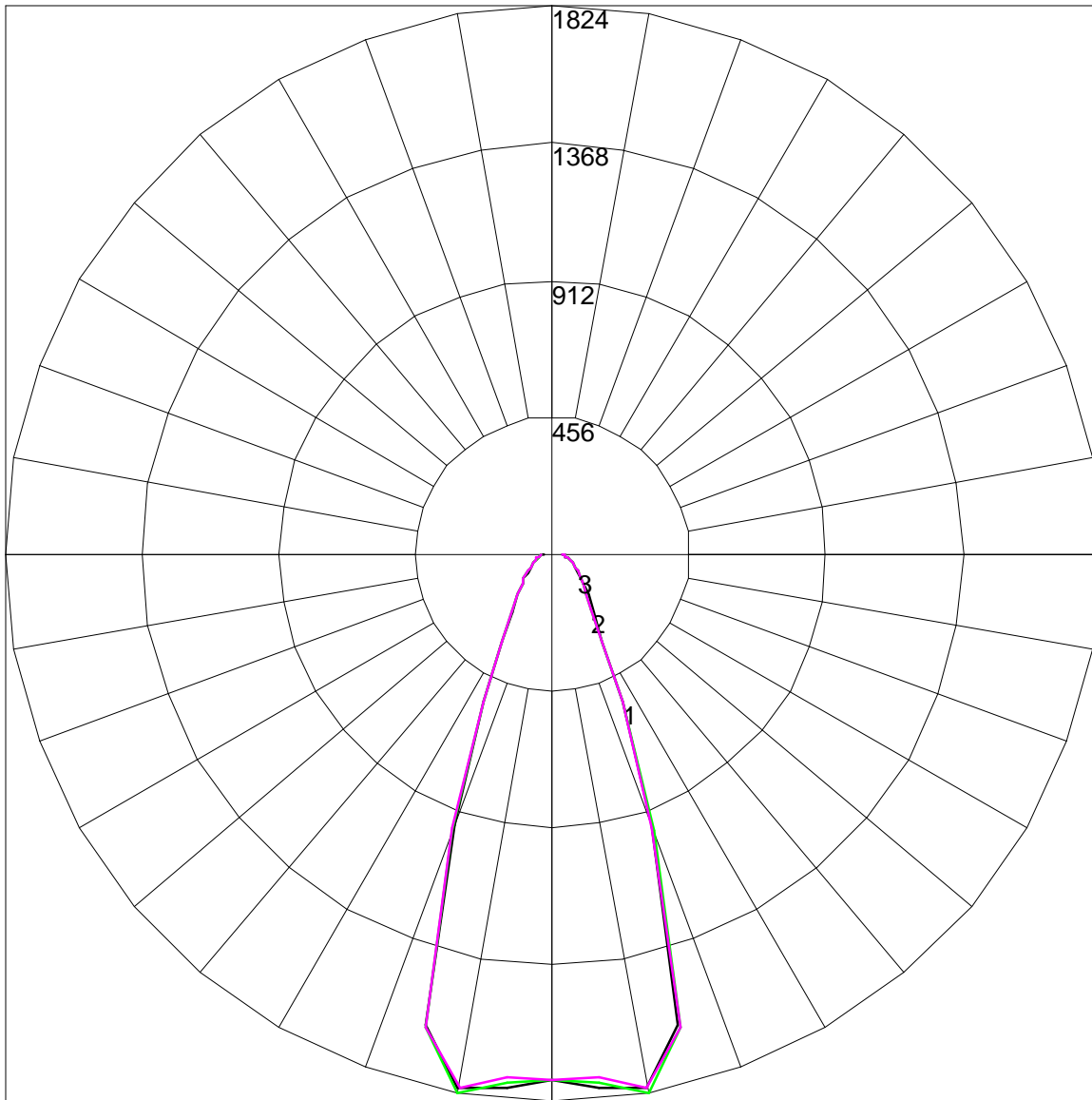
Effective Floor Cavity Reflectance 0.20

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	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51
9	71	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48
10	68	58	52	48	67	58	52	48	57	51	47	56	51	47	55	51	47	46

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POLAR GRAPH



Maximum Candela = 1824.1 Located At Horizontal Angle = 90, Vertical Angle = 10

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

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

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