

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-20LXXKNDE1-RD6FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri May 13 2016

[UPDATE] Mon Jan 9 2017

[TEST] SP-00476_24_M-20L

[MANUFAC] Spectrum Lighting

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

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

[OTHER] Narrow 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	1638
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.50
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	3722	3947	3896
55	2881	2794	2808
65	2196	2186	2150
75	1796	1842	1812
85	1509	1518	1545

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-20LXXKNDE1-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	4673.340	4673.340	4673.340	4673.340	4673.340
5	4309.932	4332.696	4340.624	4348.052	4340.464
10	3586.928	3574.052	3576.540	3587.904	3531.524
15	2441.728	2475.880	2474.960	2467.112	2480.240
20	1147.260	1159.592	1149.688	1159.544	1167.828
25	403.116	395.564	402.100	401.268	402.192
30	225.660	227.096	227.920	226.428	230.100
35	152.800	160.972	156.768	156.700	160.080
40	116.292	113.512	114.852	112.352	111.860
45	88.852	90.728	94.216	89.120	93.008
50	79.708	77.804	78.032	80.604	78.012
55	66.744	64.196	64.736	66.552	65.048
60	54.380	54.108	56.804	56.564	54.796
65	47.796	45.064	47.568	46.308	46.800
70	41.340	40.016	39.620	41.232	41.284
75	35.368	35.264	36.288	35.972	35.684
80	28.864	29.720	31.048	31.260	29.492
85	25.696	25.856	25.852	25.808	26.316
90	24.528	23.420	23.316	23.952	23.892

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Zone	Lumens	%Lamp	%Fixt
0-20	1048.11	N.A.	64.00
0-30	1290.85	N.A.	78.80
0-40	1392.84	N.A.	85.00
0-60	1524.43	N.A.	93.10
0-80	1608.93	N.A.	98.20
0-90	1637.77	N.A.	100.00
10-90	1247.06	N.A.	76.10
20-40	344.72	N.A.	21.00
20-50	417.04	N.A.	25.50
40-70	178.47	N.A.	10.90
60-80	84.49	N.A.	5.20
70-80	37.62	N.A.	2.30
80-90	28.85	N.A.	1.80
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	1637.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	390.72
10-20	657.40
20-30	242.74
30-40	101.99
40-50	72.31
50-60	59.28
60-70	46.87
70-80	37.62
80-90	28.85
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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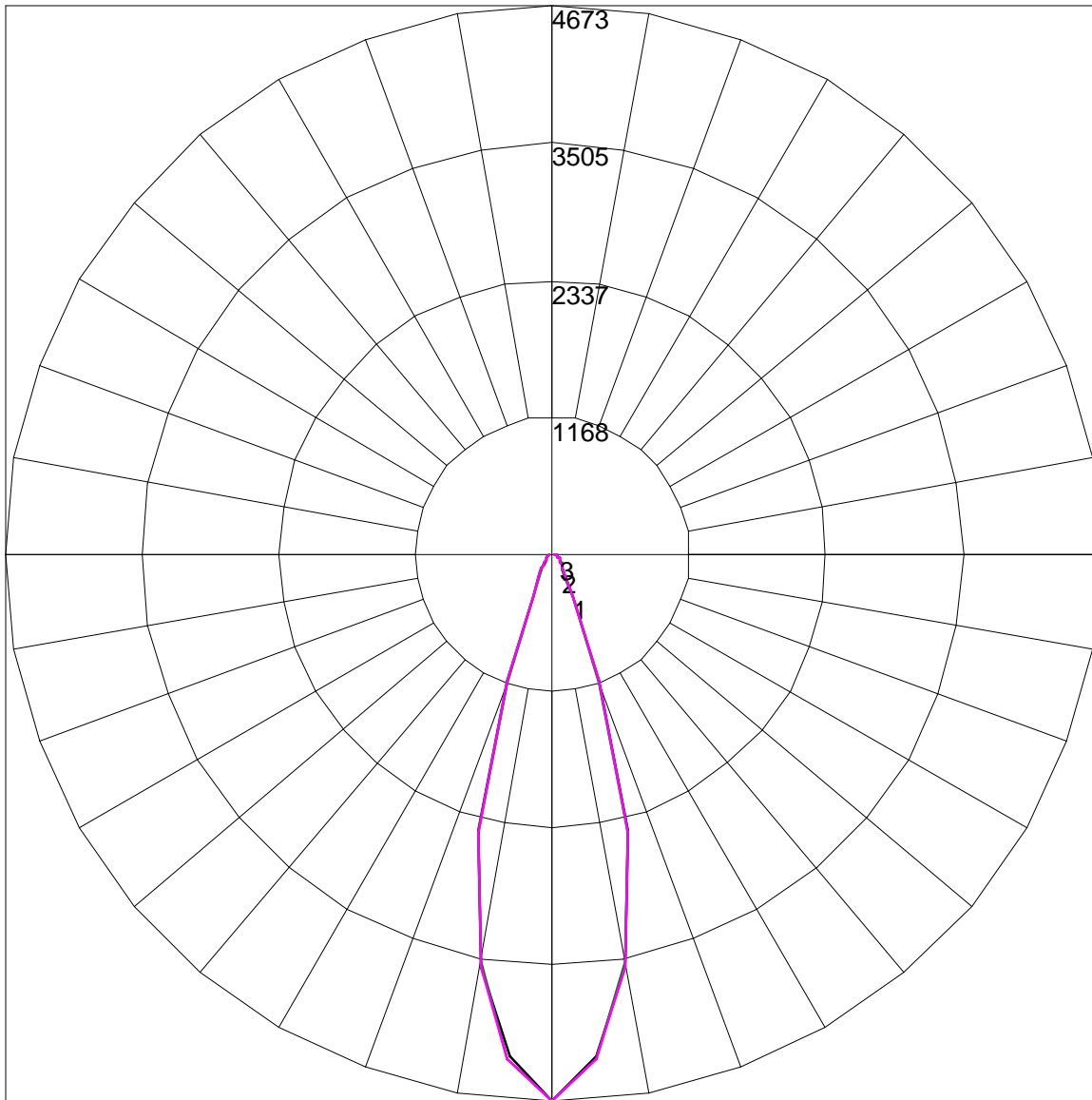
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	91	82	77	73	89	82	77	73	80	76	72	79	75	72	78	74	71	70
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	68	67
8	84	76	70	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65
9	81	73	68	64	80	72	67	64	72	67	64	71	67	64	70	66	63	62
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

POLAR GRAPH



Maximum Candela = 4673.34 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)