

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-20LXXKXWE1-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-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-20L-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	1432
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	23.7
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	6210	6051	6074
55	4421	4321	4308
65	3137	3241	3171
75	2507	2463	2506
85	2198	2240	2183

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-20LXXKXWE1-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	1793.716	1793.716	1793.716	1793.716	1793.716
5	1730.252	1796.168	1793.276	1826.984	1789.584
10	1804.180	1770.168	1771.652	1774.760	1772.552
15	1641.200	1643.276	1618.092	1627.828	1647.320
20	1080.528	1085.428	1076.336	1077.288	1093.268
25	652.212	650.272	656.912	654.148	653.356
30	356.508	351.376	353.580	352.484	349.548
35	245.120	242.400	238.428	238.272	240.564
40	174.028	180.068	178.684	176.960	182.524
45	148.224	144.396	144.444	142.640	144.976
50	126.232	124.928	123.184	124.820	126.260
55	102.436	100.596	100.104	101.536	99.804
60	83.340	81.484	83.196	82.444	83.276
65	68.268	70.592	70.540	70.816	69.004
70	58.940	57.388	58.708	59.124	59.560
75	49.380	50.896	48.504	49.952	49.356
80	44.896	42.800	41.892	42.748	43.252
85	37.428	35.964	38.148	36.284	37.184
90	31.660	31.052	30.200	34.048	34.448

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Zone	Lumens	%Lamp	%Fixt
0-20	596.61	N.A.	41.70
0-30	905.91	N.A.	63.30
0-40	1063.15	N.A.	74.20
0-60	1268.84	N.A.	88.60
0-80	1391.66	N.A.	97.20
0-90	1432.24	N.A.	100.00
10-90	1261.62	N.A.	88.10
20-40	466.54	N.A.	32.60
20-50	580.77	N.A.	40.50
40-70	275.43	N.A.	19.20
60-80	122.81	N.A.	8.60
70-80	53.07	N.A.	3.70
80-90	40.58	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	1432.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	170.61
10-20	426.00
20-30	309.30
30-40	157.24
40-50	114.23
50-60	91.46
60-70	69.74
70-80	53.07
80-90	40.58
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

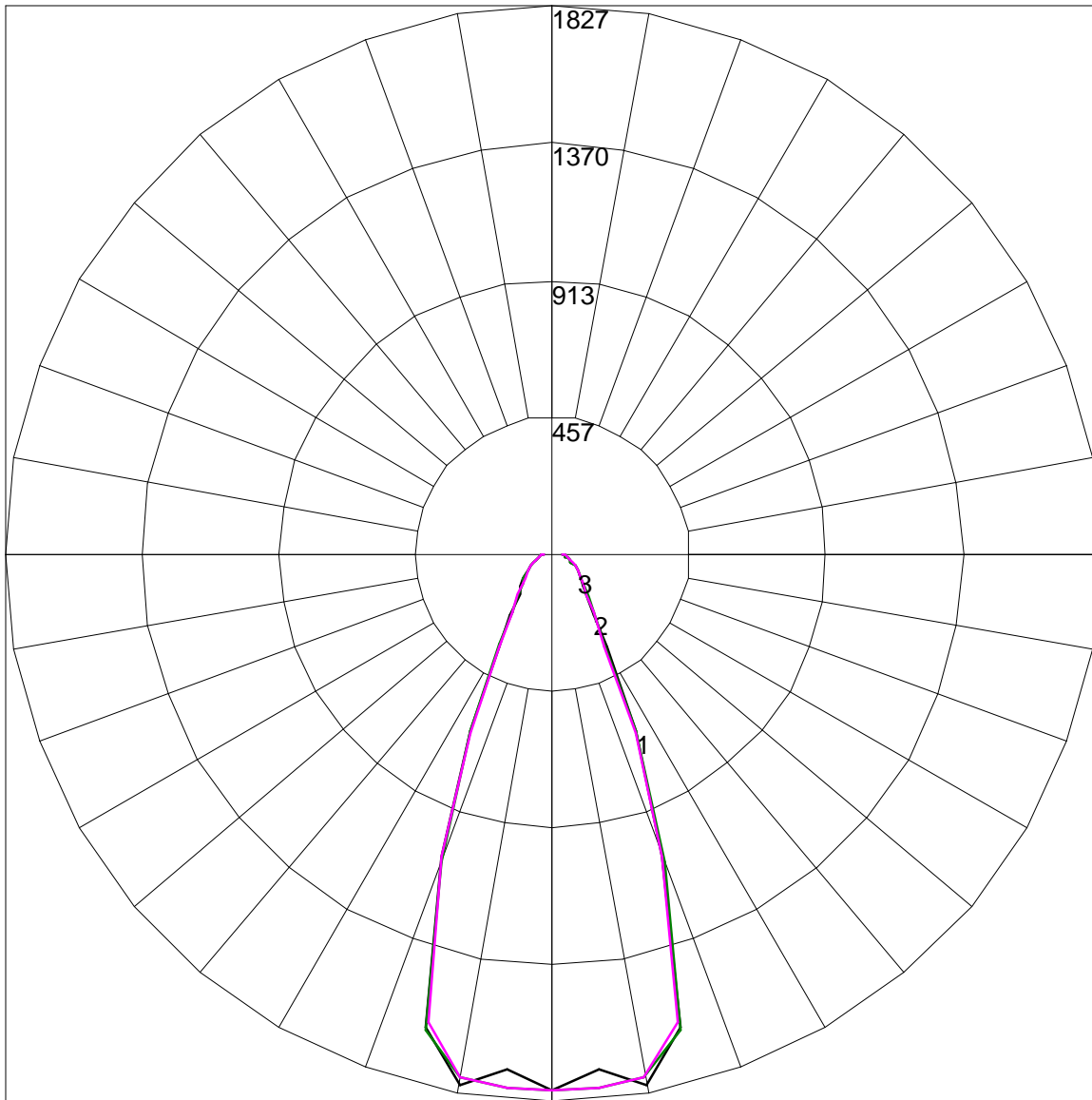
Effective Floor Cavity Reflectance 0.20

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	92	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-20LXXKXWE1-RD6FMWSO-FACY4.IES

POLAR GRAPH



Maximum Candela = 1826.984 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)