

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKWDE1-RD6FMWSO-FACY2.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] Tue Jan 10 2017

[TEST] SP-00476_28_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-40L-xxK-WD-E1-RD6F-MW-SO-FACY2

[LUMINAIRE] 6" aperture recessed LED downlight w/ 2"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	2821
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	39.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.74
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	13162	13089	13375
55	9320	9385	9943
65	7372	7414	7170
75	5985	5766	5743
85	4882	5058	5209

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKWDE1-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	3369.320	3369.320	3369.320	3369.320	3369.320
5	3377.805	3349.423	3390.079	3420.717	3330.566
10	3514.819	3460.519	3459.156	3504.101	3486.999
15	3305.625	3297.271	3276.627	3319.277	3320.810
20	2682.249	2652.473	2681.348	2692.082	2727.733
25	1539.145	1486.539	1507.637	1506.597	1514.459
30	765.257	759.667	749.780	746.030	749.787
35	452.837	454.731	462.824	462.085	467.390
40	302.186	303.811	308.362	303.164	302.718
45	242.049	232.294	240.702	235.682	245.969
50	194.155	192.831	191.630	191.345	195.218
55	156.772	158.281	157.865	158.897	167.244
60	134.049	130.500	133.911	131.608	134.958
65	108.662	110.403	109.278	109.309	105.682
70	88.866	85.655	88.188	89.944	88.966
75	73.081	68.083	70.409	71.764	70.124
80	58.428	57.049	56.064	58.235	57.149
85	45.461	47.571	47.093	46.978	48.502
90	38.877	38.562	40.517	39.978	39.301

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKWDE1-RD6FMWSO-FACY2.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1221.61	N.A.	43.30
0-30	1947.04	N.A.	69.00
0-40	2253.23	N.A.	79.90
0-60	2584.73	N.A.	91.60
0-80	2769.06	N.A.	98.20
0-90	2821.18	N.A.	100.00
10-90	2495.11	N.A.	88.40
20-40	1031.62	N.A.	36.60
20-50	1219.14	N.A.	43.20
40-70	440.19	N.A.	15.60
60-80	184.34	N.A.	6.50
70-80	75.65	N.A.	2.70
80-90	52.12	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	2821.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	326.07
10-20	895.54
20-30	725.44
30-40	306.18
40-50	187.52
50-60	143.98
60-70	108.69
70-80	75.65
80-90	52.12
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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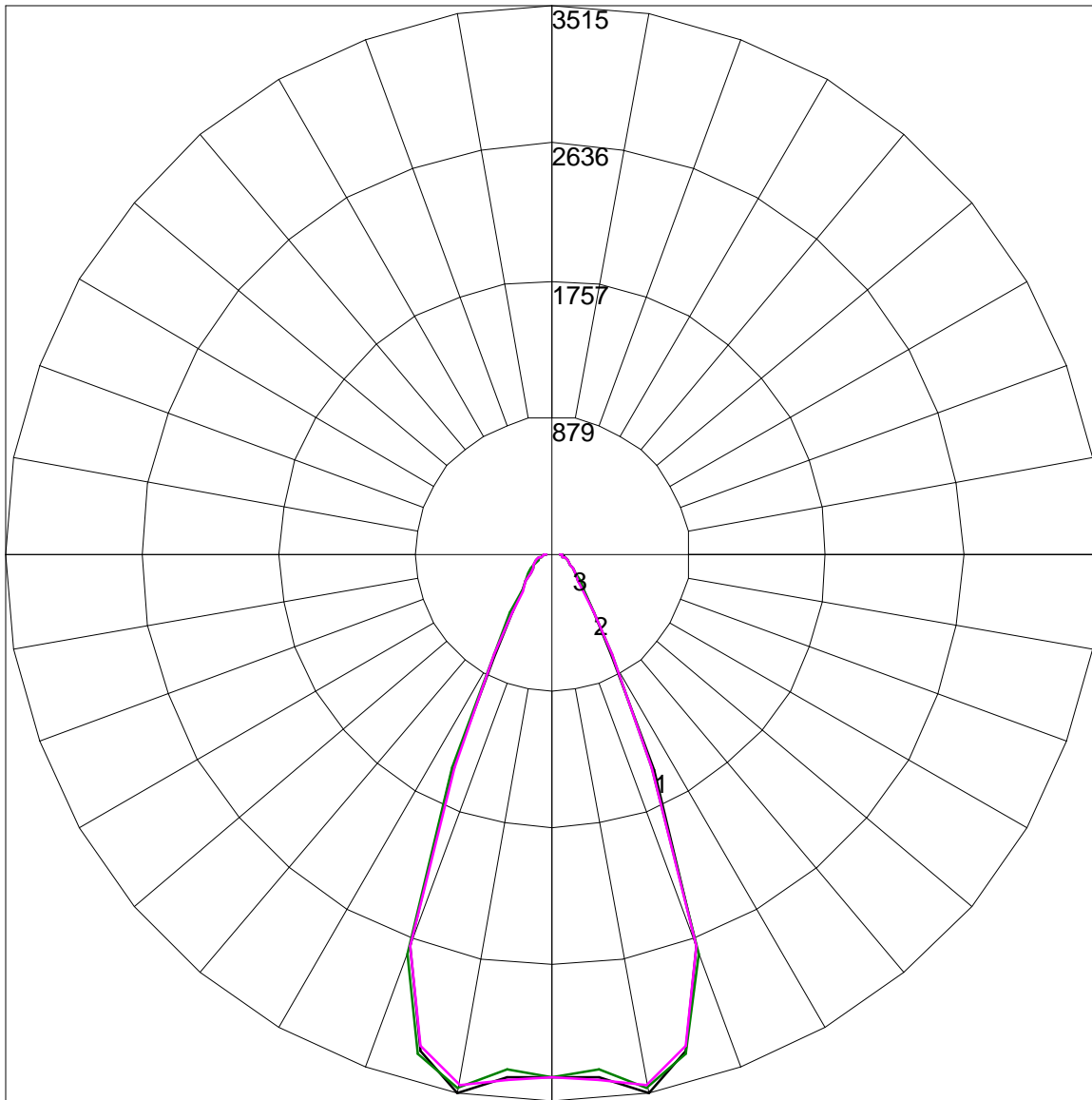
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72	70
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58
8	77	67	61	57	76	67	61	57	66	60	56	64	60	56	63	59	56	54
9	74	64	58	53	73	63	57	53	62	57	53	61	56	53	60	56	53	51
10	71	61	55	51	69	60	54	51	59	54	50	58	54	50	58	53	50	49

POLAR GRAPH



Maximum Candela = 3514.819 Located At Horizontal Angle = 0, 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)