

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKWDE1-RD6FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Fri Jun 10 2016

[UPDATE] Wed Sep 28 2016

[TEST] SP-00476_26_M-40L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-40L-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	2680
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	39.9
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	11687	11630	11735
55	8705	8564	8279
65	6405	6292	6531
75	5142	5252	5043
85	4462	4429	4366

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKWDE1-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	3373.701	3373.701	3373.701	3373.701	3373.701
5	3443.247	3429.287	3379.414	3489.578	3409.090
10	3485.898	3461.027	3477.797	3448.537	3511.392
15	3129.449	3178.983	3153.781	3158.748	3142.586
20	1857.987	1875.035	1875.851	1867.150	1890.573
25	1046.584	1047.878	1044.736	1053.622	1053.483
30	642.719	629.275	641.310	646.831	643.497
35	454.862	448.887	445.075	451.628	443.181
40	347.932	337.722	340.094	340.494	345.091
45	278.963	280.958	277.600	285.601	280.103
50	239.170	240.017	241.310	243.743	243.582
55	201.686	197.905	198.421	200.600	191.799
60	164.095	165.450	167.798	162.616	165.735
65	139.385	137.491	136.937	140.302	142.142
70	120.459	118.672	118.334	122.230	118.403
75	101.270	103.126	103.434	102.217	99.330
80	85.917	88.242	87.757	87.526	85.501
85	75.991	74.174	75.437	73.789	74.351
90	60.630	67.244	67.629	67.652	71.210

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-40LXXKWDE1-RD6FMWSO-FACY4.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1136.01	N.A.	42.40
0-30	1656.26	N.A.	61.80
0-40	1948.37	N.A.	72.70
0-60	2348.87	N.A.	87.70
0-80	2596.99	N.A.	96.90
0-90	2679.81	N.A.	100.00
10-90	2351.53	N.A.	87.70
20-40	812.36	N.A.	30.30
20-50	1033.14	N.A.	38.60
40-70	539.89	N.A.	20.10
60-80	248.12	N.A.	9.30
70-80	108.74	N.A.	4.10
80-90	82.82	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	2679.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	328.28
10-20	807.73
20-30	520.25
30-40	292.11
40-50	220.78
50-60	179.72
60-70	139.38
70-80	108.74
80-90	82.82
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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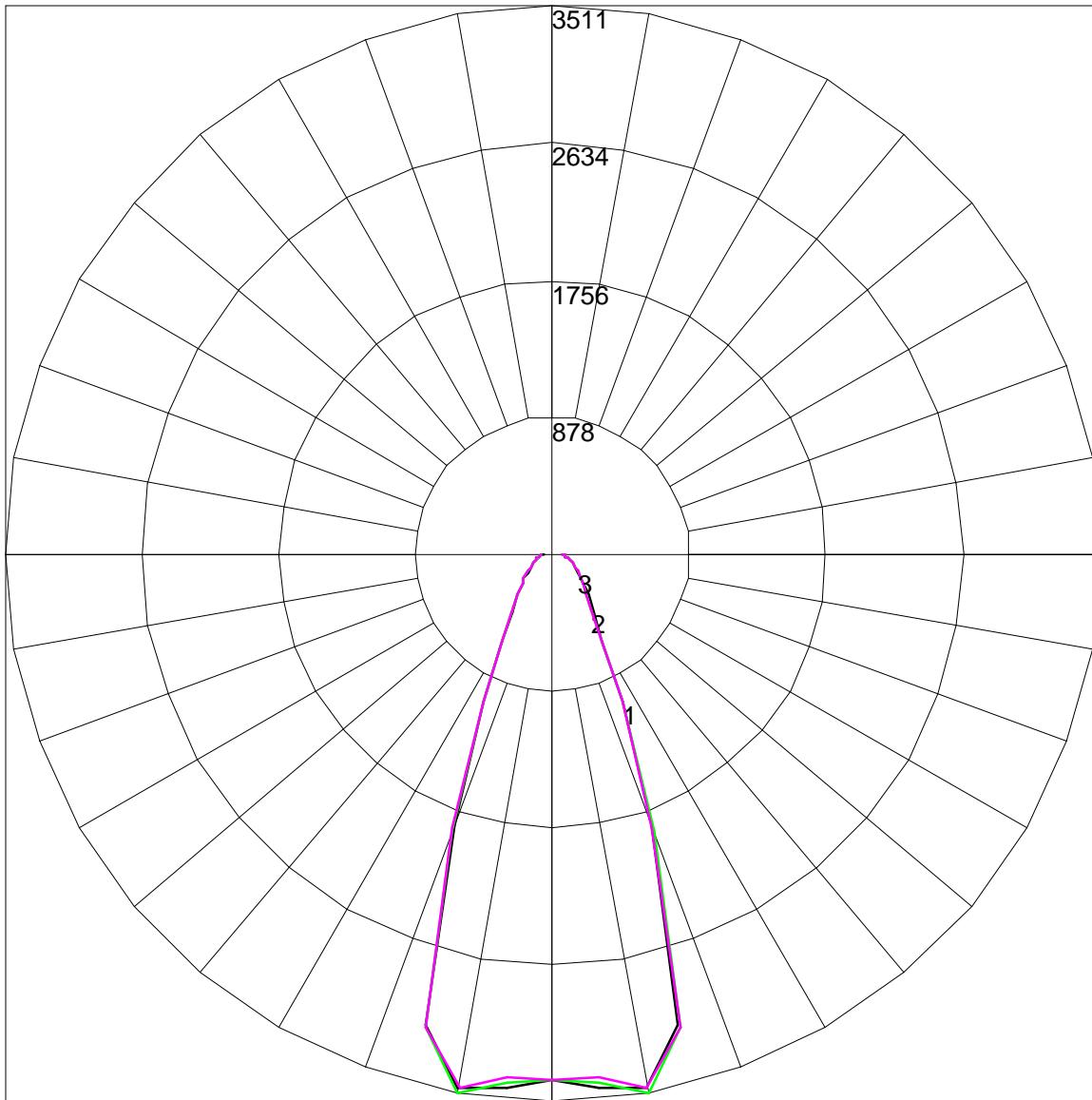
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	83	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	61	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

POLAR GRAPH



Maximum Candela = 3511.392 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)