

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKWDE1-RD6FMWSO-FACY2.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 Jun 10 2016

[UPDATE] Wed Sep 28 2016

[TEST] SP-00476_28_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-10L-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	707
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	11.1
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	3299	3281	3352
55	2336	2352	2492
65	1848	1858	1797
75	1500	1445	1439
85	1224	1268	1306

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKWDE1-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	844.518	844.518	844.518	844.518	844.518
5	846.645	839.531	849.721	857.401	834.804
10	880.987	867.377	867.035	878.301	874.014
15	828.553	826.459	821.284	831.975	832.359
20	672.304	664.841	672.078	674.769	683.704
25	385.786	372.600	377.888	377.628	379.598
30	191.811	190.410	187.932	186.992	187.934
35	113.503	113.978	116.007	115.821	117.151
40	75.743	76.150	77.291	75.988	75.876
45	60.670	58.224	60.332	59.073	61.652
50	48.665	48.333	48.032	47.961	48.931
55	39.295	39.673	39.569	39.827	41.920
60	33.599	32.710	33.565	32.988	33.827
65	27.236	27.672	27.391	27.398	26.489
70	22.274	21.469	22.104	22.544	22.299
75	18.318	17.065	17.648	17.988	17.577
80	14.645	14.299	14.052	14.597	14.324
85	11.395	11.924	11.804	11.775	12.157
90	9.745	9.665	10.156	10.021	9.851

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Zone	Lumens	%Lamp	%Fixt
0-20	306.19	N.A.	43.30
0-30	488.03	N.A.	69.00
0-40	564.77	N.A.	79.90
0-60	647.86	N.A.	91.60
0-80	694.06	N.A.	98.20
0-90	707.13	N.A.	100.00
10-90	625.40	N.A.	88.40
20-40	258.57	N.A.	36.60
20-50	305.58	N.A.	43.20
40-70	110.33	N.A.	15.60
60-80	46.20	N.A.	6.50
70-80	18.96	N.A.	2.70
80-90	13.06	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	707.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.73
10-20	224.47
20-30	181.83
30-40	76.74
40-50	47.00
50-60	36.09
60-70	27.24
70-80	18.96
80-90	13.06
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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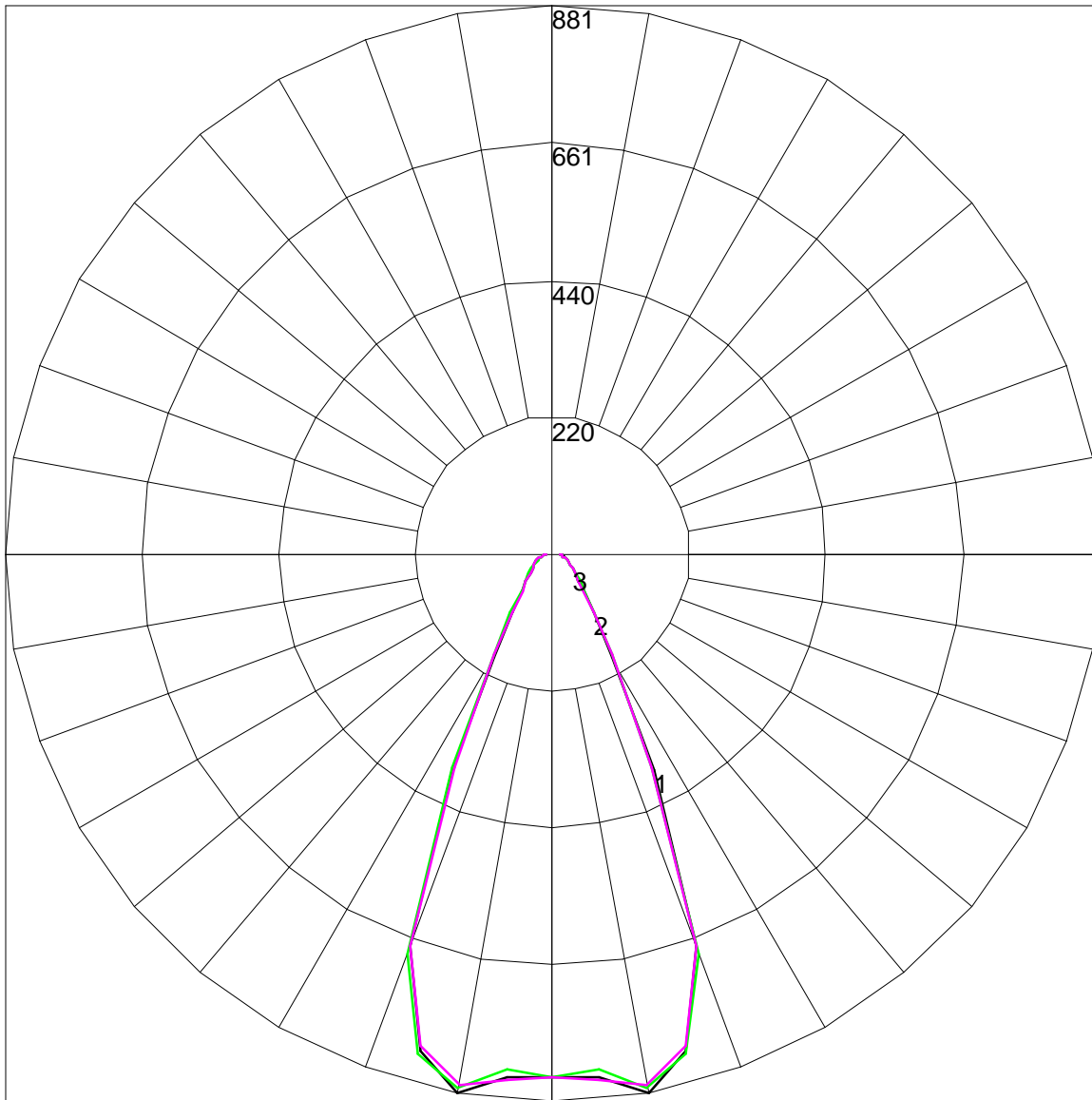
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 880.987 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)