

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKNDE1-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 May 13 2016

[UPDATE] Mon Jan 9 2017

[TEST] SP-00476_22_10L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO6LEDXT-10L-xxK-ND-E1-RD6F-MW-SO-FACY2

[LUMINAIRE] 6" aperture recessed LED downlight w/ 2"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	817
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.54
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.54
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	1891	1875	1970
55	1464	1430	1452
65	1181	1141	1122
75	911	935	923
85	856	764	789

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO6LEDXT-10LXXKNDE1-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	2240.269	2240.269	2240.269	2240.269	2240.269
5	2090.327	2094.415	2071.934	2105.507	2097.111
10	1728.693	1710.437	1729.319	1711.541	1733.787
15	1196.859	1188.446	1189.886	1190.295	1200.387
20	710.039	709.976	716.541	713.589	709.414
25	341.490	339.645	340.147	341.598	336.206
30	115.545	116.813	116.476	118.077	117.329
35	62.986	66.456	66.116	63.995	66.942
40	45.774	44.016	45.340	43.377	43.332
45	34.775	34.449	34.479	35.165	36.230
50	28.724	28.691	28.973	29.257	28.599
55	24.621	22.872	24.054	23.332	24.420
60	19.449	19.947	19.645	20.400	20.008
65	17.405	16.071	16.814	16.478	16.532
70	13.112	13.815	13.556	13.958	13.359
75	11.130	10.825	11.416	11.188	11.265
80	9.380	8.629	8.880	9.418	9.403
85	7.971	7.081	7.112	7.467	7.348
90	6.811	6.188	6.556	6.286	5.668

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Zone	Lumens	%Lamp	%Fixt
0-20	517.85	N.A.	63.40
0-30	686.08	N.A.	84.00
0-40	731.23	N.A.	89.50
0-60	780.31	N.A.	95.50
0-80	808.74	N.A.	99.00
0-90	816.93	N.A.	100.00
10-90	628.78	N.A.	77.00
20-40	213.38	N.A.	26.10
20-50	240.94	N.A.	29.50
40-70	65.61	N.A.	8.00
60-80	28.43	N.A.	3.50
70-80	11.90	N.A.	1.50
80-90	8.20	N.A.	1.00
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	816.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	188.15
10-20	329.70
20-30	168.22
30-40	45.15
40-50	27.56
50-60	21.52
60-70	16.53
70-80	11.90
80-90	8.20
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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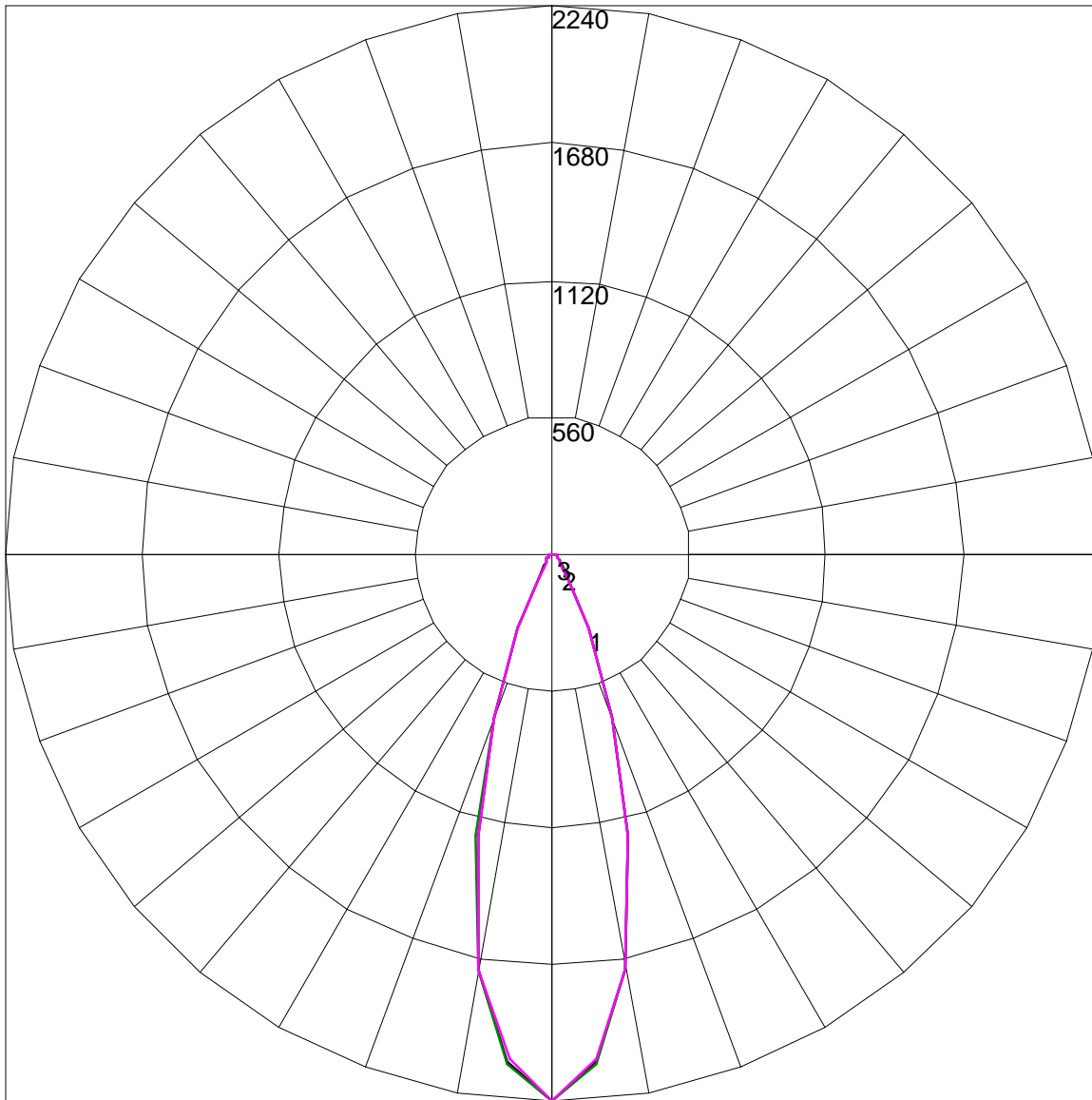
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83
4	100	93	88	84	98	92	87	83	89	86	82	88	84	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	75
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	70	69
8	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67
9	83	74	69	66	82	74	69	66	73	69	66	72	68	65	71	68	65	64
10	80	72	67	63	79	71	67	63	70	66	63	70	66	63	69	65	63	62

POLAR GRAPH



Maximum Candela = 2240.269 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)