

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RDFO4LEDXT-30LXXKMDE1-RD4FMWSO-FACY4.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Thu May 12 2016

[UPDATE] Fri May 13 2016

[TEST] SP-00480_14_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-30L-xxK-MD-E1-RD4F-MW-SO-FACY4

[LUMINAIRE] 4" aperture recessed LED downlight w/ 4"H Frosted Clear Acrylic Cylinder Element

[OTHER] Medium 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 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1722
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	34.6
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)	0.33 ft (Diameter)
Luminous Width (90-270)	0.33 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	13975	13782	13737
55	11055	11008	11232
65	9153	8806	8866
75	7022	6871	6992
85	5267	5227	5278

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-30LXXKMDE1-RD4FMWSO-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	3088.180	3088.180	3088.180	3088.180	3088.180
5	2893.590	2911.948	2903.081	2899.419	2925.810
10	2357.072	2367.327	2364.763	2369.898	2379.186
15	1647.829	1641.759	1650.385	1634.621	1649.177
20	988.602	987.574	982.447	987.706	987.722
25	658.144	660.286	667.050	661.556	671.421
30	358.074	356.897	362.928	361.393	358.977
35	252.071	250.895	250.521	250.661	249.609
40	203.776	207.127	208.709	205.350	204.852
45	182.286	182.613	179.769	183.315	179.185
50	161.778	166.032	166.157	163.679	162.814
55	145.017	145.414	144.409	146.817	147.339
60	129.495	128.584	130.835	129.955	129.184
65	117.098	113.755	112.665	113.023	113.428
70	97.961	98.686	97.930	99.410	97.119
75	84.832	82.603	83.008	83.881	84.465
80	69.684	68.881	69.489	68.671	69.886
85	57.941	56.827	57.497	58.222	58.058
90	50.001	49.884	49.479	49.495	50.367

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Zone	Lumens	%Lamp	%Fixt
0-20	715.03	N.A.	41.50
0-30	1017.58	N.A.	59.10
0-40	1183.77	N.A.	68.80
0-60	1456.67	N.A.	84.60
0-80	1657.95	N.A.	96.30
0-90	1721.82	N.A.	100.00
10-90	1461.51	N.A.	84.90
20-40	468.74	N.A.	27.20
20-50	610.52	N.A.	35.50
40-70	385.75	N.A.	22.40
60-80	201.28	N.A.	11.70
70-80	88.42	N.A.	5.10
80-90	63.87	N.A.	3.70
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	1721.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	260.31
10-20	454.72
20-30	302.55
30-40	166.19
40-50	141.78
50-60	131.11
60-70	112.86
70-80	88.42
80-90	63.87
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-30LXXKMDE1-RD4FMWSO-FACY4.IES****COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

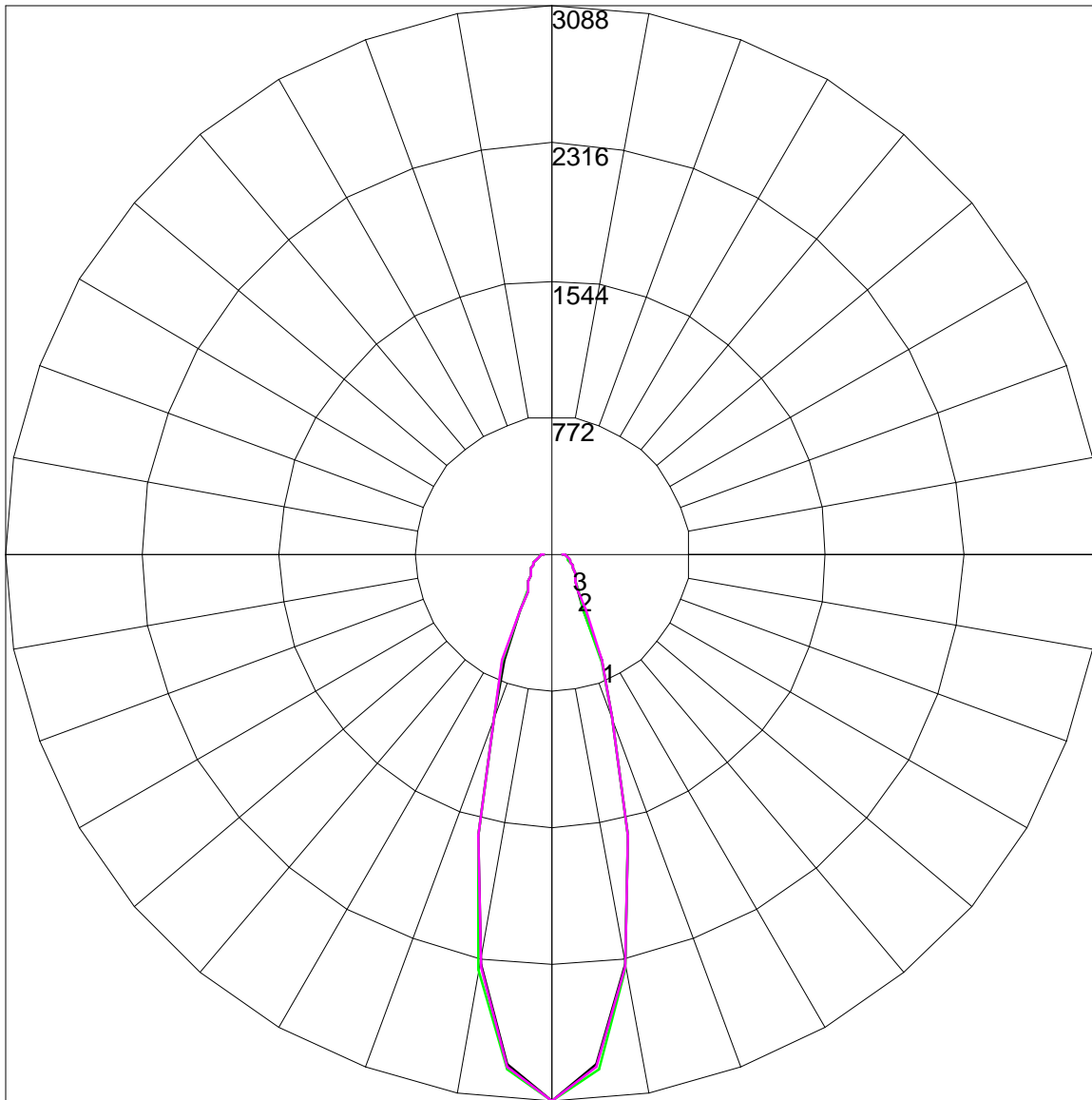
Effective Floor Cavity Reflectance 0.20

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	78	67	60	55	76	66	60	55	65	59	55	64	58	55	63	58	54	53
8	74	63	57	52	73	63	56	52	62	56	52	61	55	52	60	55	51	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47
10	68	57	51	47	67	57	51	47	56	50	47	55	50	47	54	50	46	45

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POLAR GRAPH



Maximum Candela = 3088.18 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)