

IES INDOOR REPORT

PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKWDE1-RD4FMWSO-FACY4.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] Wed Aug 31 2016

[TEST] SP-00480_15_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-13L-xxK-WD-E1-RD4F-MW-SO-FACY4

[LUMINAIRE] 4" 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 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	752
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.58
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	6604	6760	6721
55	5327	5436	5350
65	4400	4268	4245
75	3328	3382	3333
85	2585	2547	2545

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-13LXXKWDE1-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	1119.698	1119.698	1119.698	1119.698	1119.698
5	1087.313	1096.431	1089.768	1097.596	1082.258
10	986.945	981.937	986.557	978.905	995.671
15	683.802	686.932	686.281	689.448	690.235
20	414.459	411.663	414.689	414.858	415.361
25	251.316	246.784	247.966	250.172	249.327
30	163.879	162.998	165.757	161.873	164.821
35	121.049	121.879	119.951	120.745	121.731
40	101.391	101.455	101.239	101.296	99.588
45	86.144	86.975	88.177	86.255	87.670
50	80.102	79.221	78.995	78.664	78.623
55	69.880	70.147	71.305	70.238	70.184
60	62.339	62.920	63.190	62.073	62.735
65	56.288	55.153	54.603	55.146	54.309
70	48.055	48.153	48.068	47.248	47.119
75	40.207	40.301	40.852	40.835	40.261
80	34.797	33.544	34.135	33.702	34.172
85	28.438	28.259	28.016	27.698	27.992
90	24.061	25.425	25.081	25.665	25.500

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Zone	Lumens	%Lamp	%Fixt
0-20	290.70	N.A.	38.60
0-30	412.43	N.A.	54.80
0-40	491.41	N.A.	65.30
0-60	623.10	N.A.	82.80
0-80	720.78	N.A.	95.80
0-90	752.22	N.A.	100.00
10-90	651.49	N.A.	86.60
20-40	200.72	N.A.	26.70
20-50	269.13	N.A.	35.80
40-70	186.34	N.A.	24.80
60-80	97.68	N.A.	13.00
70-80	43.03	N.A.	5.70
80-90	31.44	N.A.	4.20
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	752.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.74
10-20	189.96
20-30	121.73
30-40	78.99
40-50	68.42
50-60	63.27
60-70	54.65
70-80	43.03
80-90	31.44
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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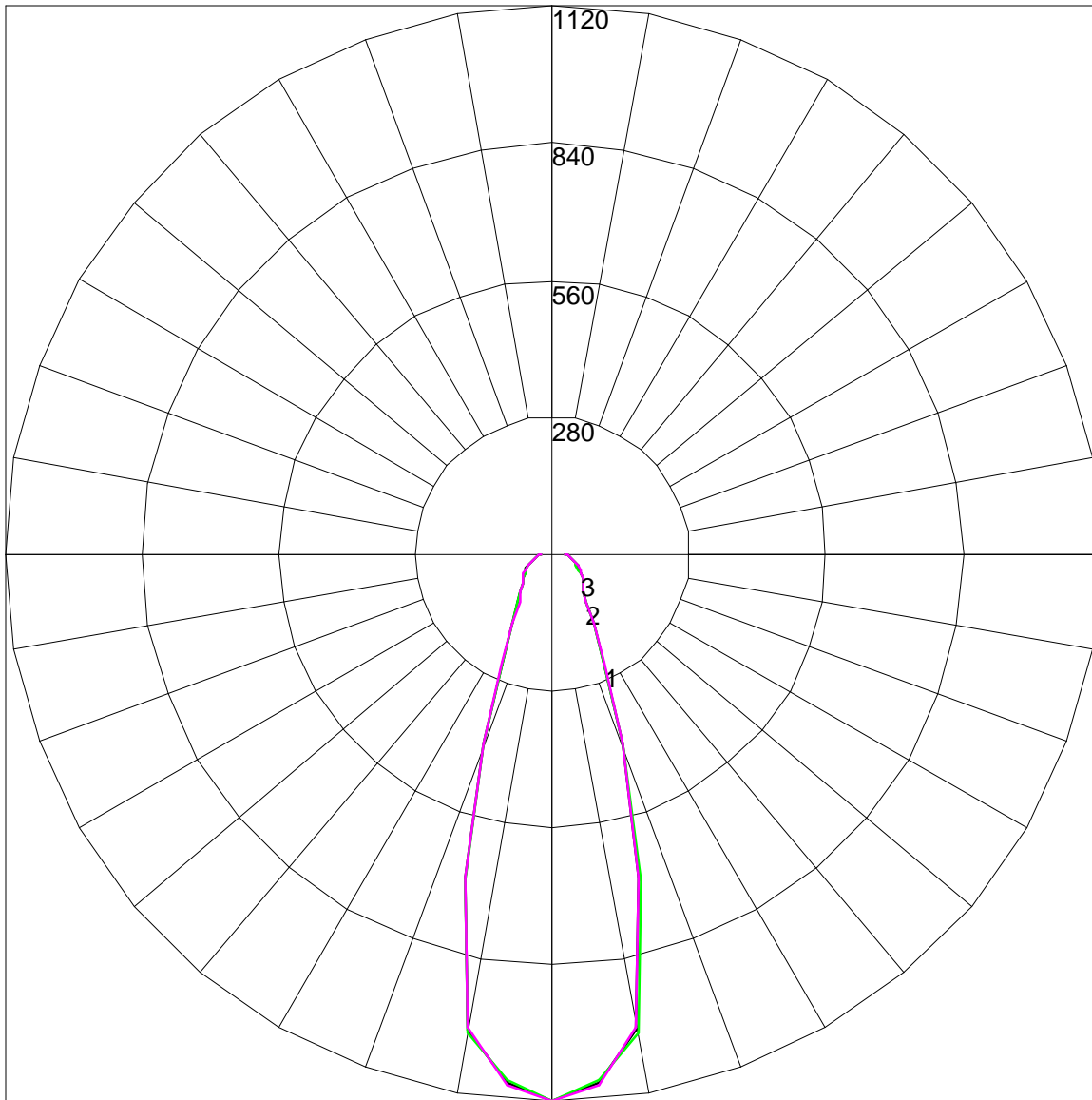
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	96	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	85	74	67	61	83	73	66	61	71	65	60	69	64	60	68	63	59	57
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	69	58	51	47	68	57	51	47	56	50	46	55	50	46	54	50	46	44
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42

POLAR GRAPH



Maximum Candela = 1119.698 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)