

IES INDOOR REPORT

PHOTOMETRIC FILENAME : RDFO4LEDXT-40LXXKWDE1-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

[MANUFAC] Spectrum Lighting

[LUMCAT] RDFO4LEDXT-40L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2227
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	39.9
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	19556	20018	19903
55	15774	16096	15843
65	13028	12638	12570
75	9856	10014	9869
85	7655	7542	7535

IES INDOOR REPORT**PHOTOMETRIC FILENAME : RDFO4LEDXT-40LXXKWDE1-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	3315.66	3315.66	3315.66	3315.66	3315.66
5	3219.76	3246.76	3227.03	3250.21	3204.79
10	2922.55	2907.72	2921.40	2898.74	2948.39
15	2024.88	2034.15	2032.22	2041.60	2043.93
20	1227.30	1219.02	1227.98	1228.48	1229.97
25	744.20	730.78	734.28	740.81	738.31
30	485.28	482.67	490.84	479.34	488.07
35	358.45	360.91	355.20	357.55	360.47
40	300.24	300.43	299.79	299.96	294.90
45	255.09	257.55	261.11	255.42	259.61
50	237.20	234.59	233.92	232.94	232.82
55	206.93	207.72	211.15	207.99	207.83
60	184.60	186.32	187.12	183.81	185.77
65	166.68	163.32	161.69	163.30	160.82
70	142.30	142.59	142.34	139.91	139.53
75	119.06	119.34	120.97	120.92	119.22
80	103.04	99.33	101.08	99.80	101.19
85	84.21	83.68	82.96	82.02	82.89
90	71.25	75.29	74.27	76.00	75.51

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Zone	Lumens	%Lamp	%Fixt
0-20	860.82	N.A.	38.60
0-30	1221.29	N.A.	54.80
0-40	1455.18	N.A.	65.30
0-60	1845.14	N.A.	82.80
0-80	2134.39	N.A.	95.80
0-90	2227.49	N.A.	100.00
10-90	1929.19	N.A.	86.60
20-40	594.36	N.A.	26.70
20-50	796.96	N.A.	35.80
40-70	551.80	N.A.	24.80
60-80	289.25	N.A.	13.00
70-80	127.41	N.A.	5.70
80-90	93.10	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	2227.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	298.30
10-20	562.52
20-30	360.46
30-40	233.90
40-50	202.60
50-60	187.36
60-70	161.84
70-80	127.41
80-90	93.10
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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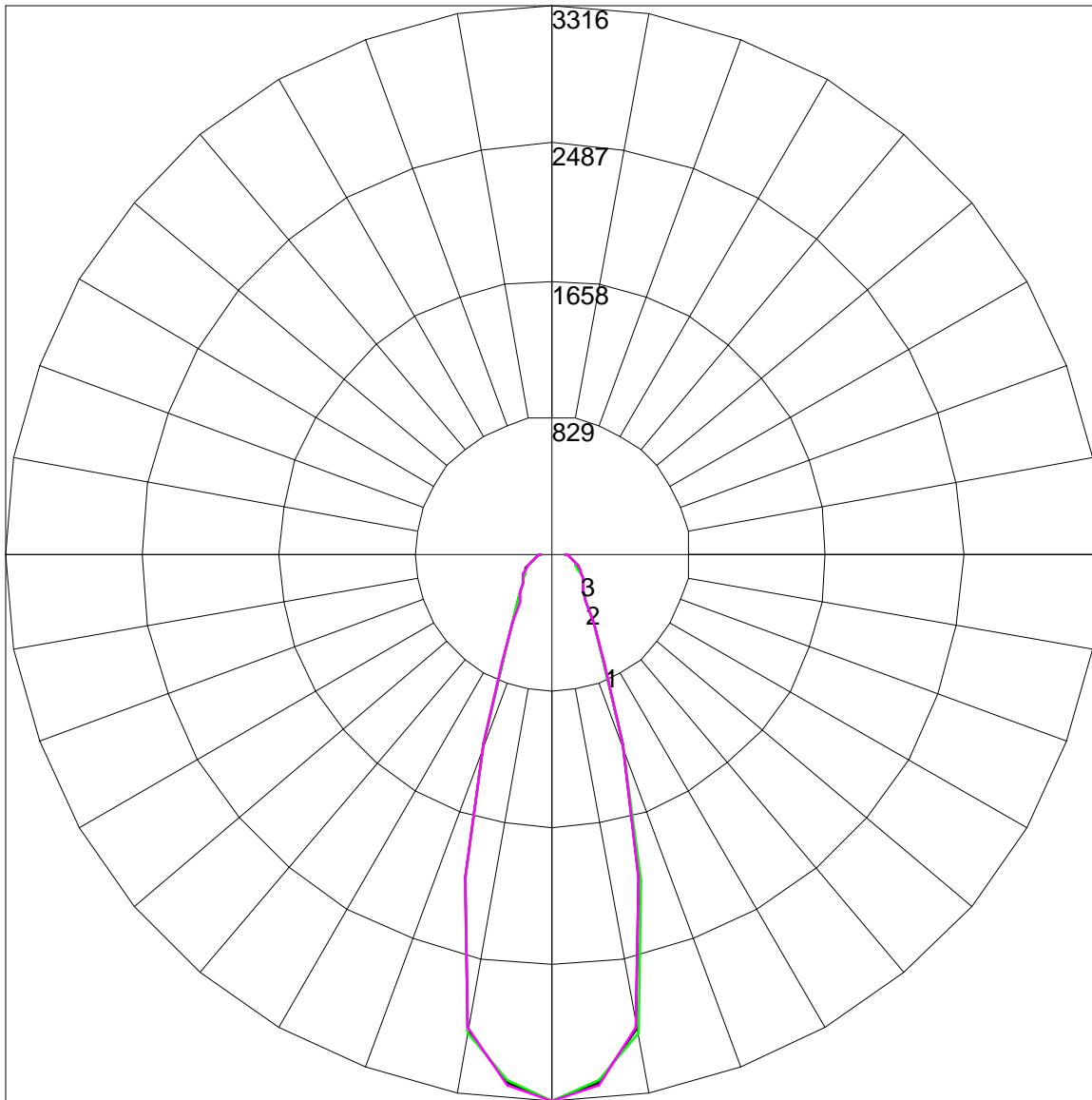
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3315.66 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)