Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P170667

Luminaire Tested: **LDA4A13935D010TE LAR35FL 4LFC1**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P170667
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26143)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LDA4A13935D010TE LAR35FL 4LFC1
Description:	PORTFOLIO 4" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source:	(1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1424.5 lumens
Efficiency:	N/A
Efficacy:	64.0 lumens/watt
Spacing Criteria (0/90/45):	0.6 / 0.6 / 0.56
Luminous Opening:	Circular (Dia: 0.33' x H: 0')
CIE Type:	Direct

Input Watts (W):	22.27
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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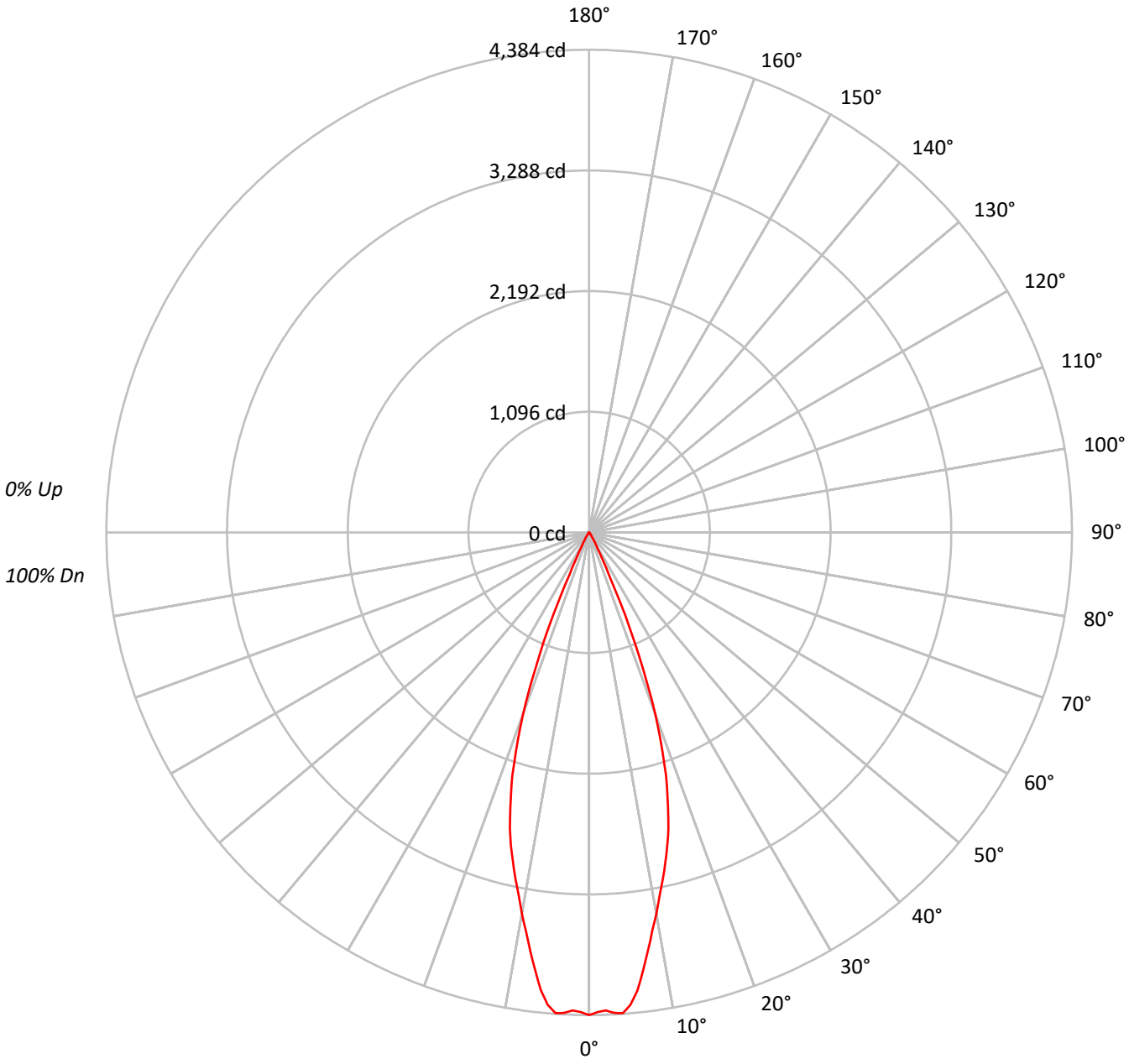
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	99	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	95	93	91	90
4	104	99	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
5	101	95	91	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	91	87	84	96	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	87	83	81	86	83	80	85	82	80	84	82	79	78
8	92	85	81	78	91	85	81	78	84	80	78	83	80	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74
10	87	80	76	73	86	79	76	73	79	75	73	78	75	72	78	75	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	540698
5°	533427
10°	440411
15°	355074
20°	229774
25°	56099
30°	13474
35°	3388
40°	1063
45°	227
50°	134
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.6	26.8
10°-20°	745.8	52.4
20°-30°	276.0	19.4
30°-40°	19.4	1.4
40°-50°	1.7	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1403.3	98.5
0°-40°	1422.8	99.9
0°-60°	1424.5	100.0
0°-90°	1424.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4384	
5°	4308	382
15°	2781	746
25°	412	276
35°	22	19
45°	1	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	4383.6
1°	4357.8
2°	4343.9
3°	4371.0
4°	4377.6
5°	4308.2
6°	4184.5
7°	4011.8
8°	3837.1
9°	3664.5
10°	3516.3
11°	3356.8
12°	3215.9
13°	3075.7
14°	2933.4
15°	2780.6
17.5°	2322.8
20°	1750.5
22.5°	1083.0
25°	412.2
27.5°	169.4
30°	94.6
32.5°	45.0
35°	22.5
37.5°	11.9
40°	6.6
42.5°	3.3
45°	1.3
47.5°	0.7
50°	0.7
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0

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CANDELA DISTRIBUTION (continued):

	0°
90°	*0.0*

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0°-180°

85°	*0.0*
87.5°	*0.0*

(END OF REPORT)