

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: P1192058

Luminaire Tested: **LDA6A20950D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

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

**Test Information**

Test Method: LM-41-14
Report Number: P1192058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26295)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA6A20950D010TE LAR35FL 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

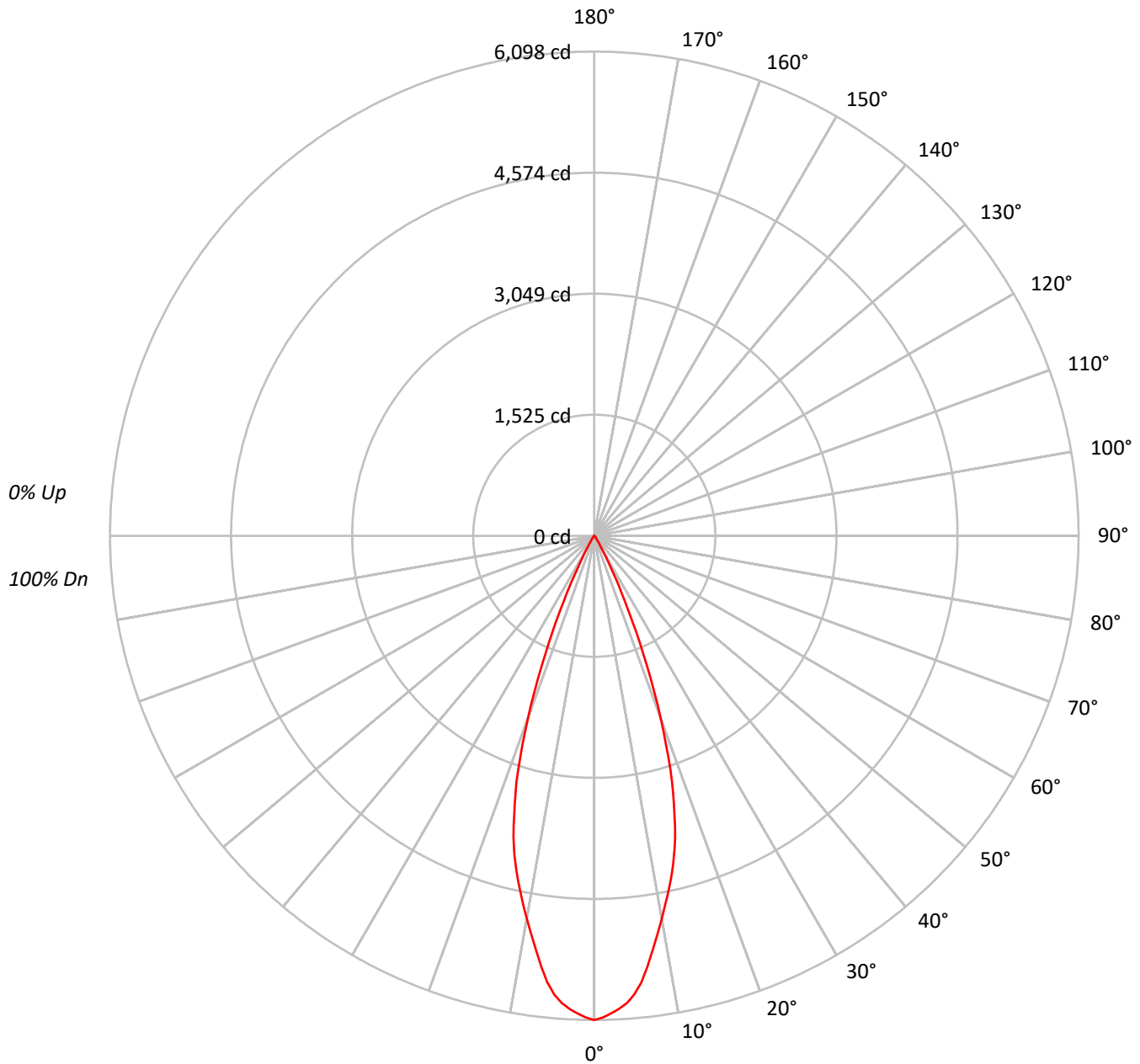
Lumens per Lamp: N/A
Luminaire Lumens: 2075.1 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.56
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 24.8
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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93	93	93
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86	86	86
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83	83	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80	80	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77	77	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75	75	75
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72	72	72
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70	70	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	334304
5°	319028
10°	272551
15°	223140
20°	142818
25°	55019
30°	11287
35°	2991
40°	945
45°	295
50°	136
55°	76
60°	88
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.1	25.2
10°-20°	1049.6	50.6
20°-30°	460.0	22.2
30°-40°	38.5	1.9
40°-50°	3.9	0.2
50°-60°	0.8	0.0
60°-70°	0.3	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°	2031.7	97.9
0°-40°	2070.2	99.8
0°-60°	2074.9	100.0
0°-90°	2075.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2075.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6098	
5°	5797	522
15°	3932	1050
25°	910	460
35°	45	38
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6098.2
1°	6068.9
2°	6021.1
3°	5966.3
4°	5896.9
5°	5797.4
6°	5655.4
7°	5471.9
8°	5270.4
9°	5079.0
10°	4896.2
11°	4712.7
12°	4533.6
13°	4347.6
14°	4150.1
15°	3931.7
17.5°	3260.5
20°	2448.1
22.5°	1598.7
25°	909.6
27.5°	423.5
30°	178.3
32.5°	92.7
35°	44.7
37.5°	23.9
40°	13.2
42.5°	7.0
45°	3.8
47.5°	2.3
50°	1.6
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
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°

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Scaled Data Report



85°	0.0
87.5°	0.0

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Scaled Data Report



(END OF REPORT)