

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: P175503

Luminaire Tested: **LDA6A20827D010TE LAR35FL 6LFC1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P175503
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: LDA6A20827D010TE LAR35FL 6LFC1
Description: PORTFOLIO 6" Flat Cone, Self-flange Trim Ring, 35° Flood Optic, at 0° tilt
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1509.6 lumens
Efficiency: N/A
Efficacy: 51.8 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

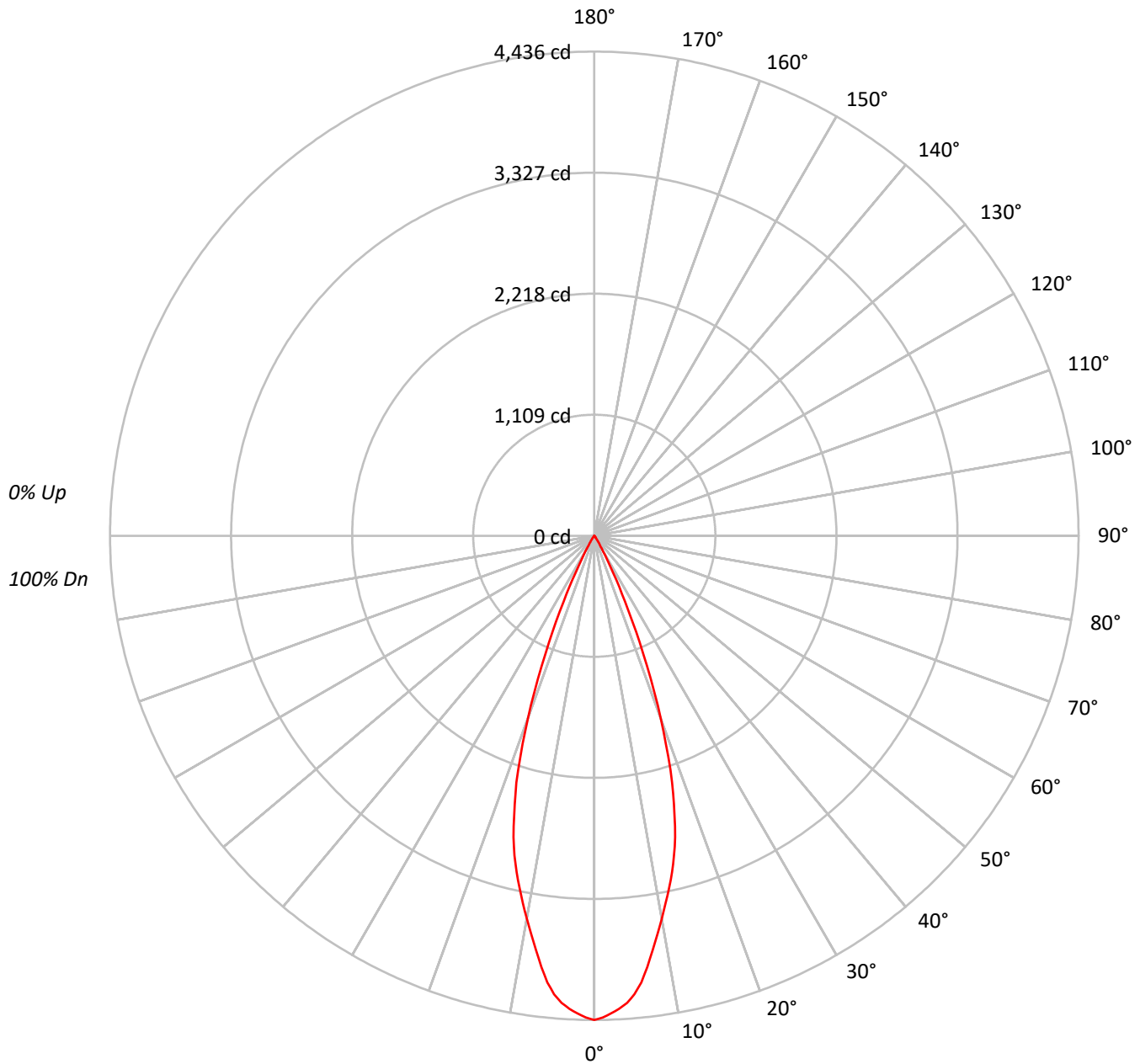
Input Watts (W): 29.12
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		
1	115	113	111	109	112	111	109	107	107	105	104	103	102	101	100	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93		
3	107	102	99	96	105	101	98	95	98	96	93	96	94	92	94	92	91	89		
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86		
5	100	94	90	87	99	93	89	86	92	88	85	90	87	85	89	86	84	83		
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	80		
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77		
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75		
9	88	81	77	74	87	81	77	74	80	76	74	79	76	73	79	76	73	72		
10	86	79	74	72	85	78	74	71	78	74	71	77	74	71	76	73	71	70		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	243193
5°	232076
10°	198271
15°	162328
20°	103895
25°	40024
30°	8210
35°	2182
40°	680
45°	217
50°	94
55°	57
60°	66
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.8	25.2
10°-20°	763.5	50.6
20°-30°	334.6	22.2
30°-40°	28.0	1.9
40°-50°	2.8	0.2
50°-60°	0.6	0.0
60°-70°	0.2	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°	1478.0	97.9
0°-40°	1506.0	99.8
0°-60°	1509.4	100.0
0°-90°	1509.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1509.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4436	
5°	4217	380
15°	2860	764
25°	662	335
35°	33	28
45°	3	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4436.2
1°	4414.9
2°	4380.1
3°	4340.3
4°	4289.7
5°	4217.3
6°	4114.1
7°	3980.5
8°	3834.0
9°	3694.8
10°	3561.8
11°	3428.2
12°	3298.0
13°	3162.7
14°	3019.0
15°	2860.2
17.5°	2371.9
20°	1780.9
22.5°	1162.9
25°	661.7
27.5°	308.1
30°	129.7
32.5°	67.4
35°	32.6
37.5°	17.4
40°	9.5
42.5°	5.1
45°	2.8
47.5°	1.7
50°	1.1
52.5°	0.6
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.6
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)