

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: P179822

Luminaire Tested: **LDA6A65835D010TE LARH40FL 6LFC1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26683)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A65835D010TE LARH40FL 6LFC1H  
Description: PORTFOLIO 6" Flat Cone, Self-flanged, 40° Flood  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6736.3 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.61  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

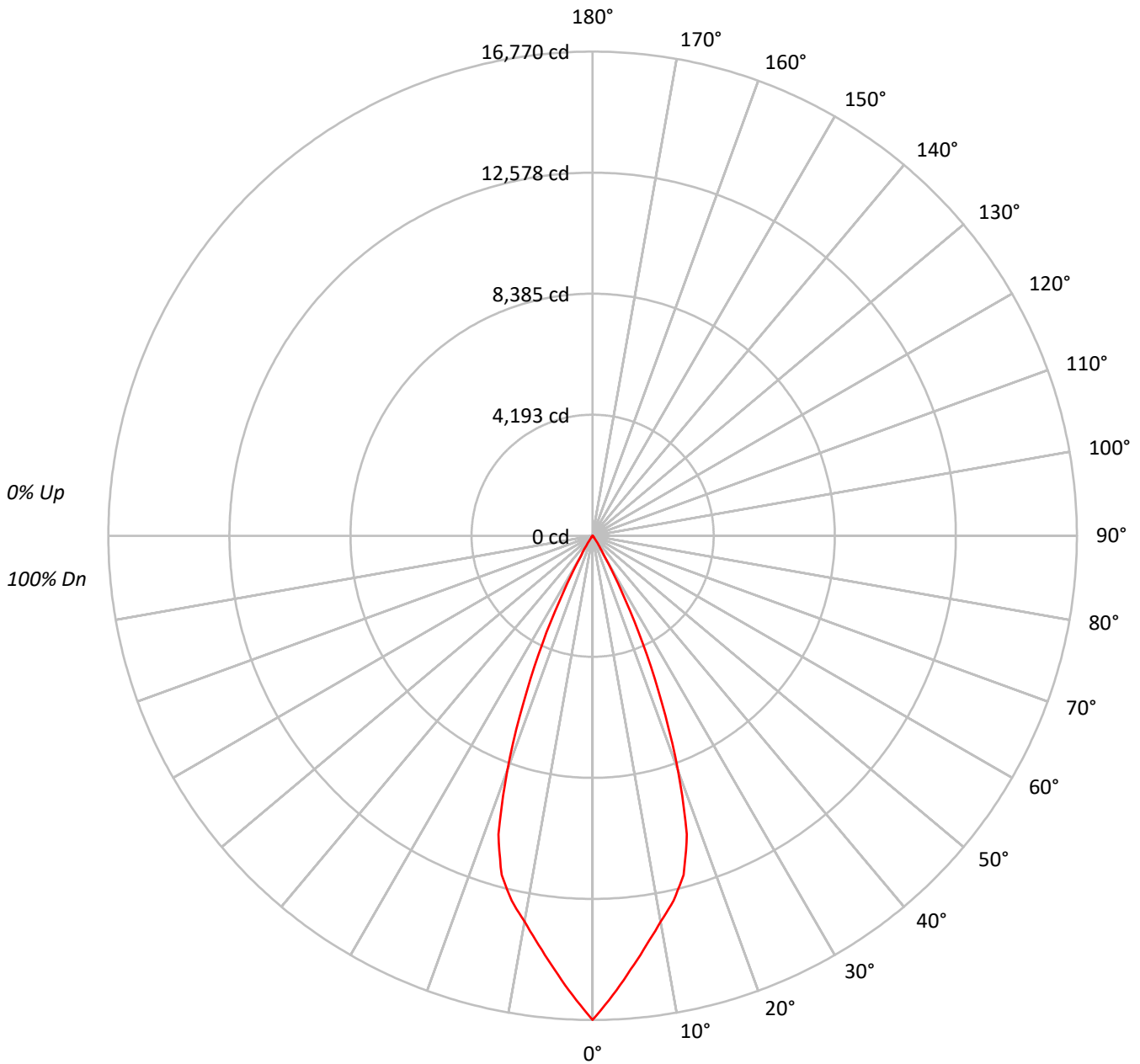
Input Watts (W): 78  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	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	100	100	100
1	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96	96	96	96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92
3	106	101	97	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88	88	88	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84	84	84	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81	81	81	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78	78	78	78
7	92	85	81	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75	75	75	75
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72	72	72	72
9	86	79	74	71	85	78	74	71	78	74	71	77	73	71	76	73	70	69	69	69	69
10	84	76	72	69	83	76	71	68	75	71	68	74	71	68	74	70	68	67	67	67	67

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	919318
5°	830055
10°	755369
15°	690498
20°	503950
25°	248192
30°	53774
35°	10219
40°	2734
45°	1202
50°	716
55°	573
60°	526
65°	467
70°	385
75°	254
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1395.1	20.7
10°-20°	3268.2	48.5
20°-30°	1885.3	28.0
30°-40°	163.9	2.4
40°-50°	13.7	0.2
50°-60°	5.5	0.1
60°-70°	3.3	0.0
70°-80°	1.3	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°	6548.7	97.2
0°-40°	6712.7	99.6
0°-60°	6731.8	99.9
0°-90°	6736.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6736.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16770	
5°	15084	###
15°	12166	3268
25°	4103	1885
35°	153	164
45°	16	14
55°	6	5
65°	4	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	16769.7
2.5°	15928.5
5°	15083.8
7.5°	14293.9
10°	13569.7
12.5°	12945.7
15°	12166.5
17.5°	10845.7
20°	8638.4
22.5°	6253.3
25°	4103.2
27.5°	2126.2
30°	849.5
32.5°	446.2
35°	152.7
37.5°	63.2
40°	38.2
42.5°	23.9
45°	15.5
47.5°	9.5
50°	8.4
52.5°	7.2
55°	6.0
57.5°	4.8
60°	4.8
62.5°	3.6
65°	3.6
67.5°	2.4
70°	2.4
72.5°	1.2
75°	1.2
77.5°	1.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)