

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: P179570

Luminaire Tested: **LDA6A45935D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179570  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26661)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A45935D010TE LARH40FL 6LA1LI  
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4253.7 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.61  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

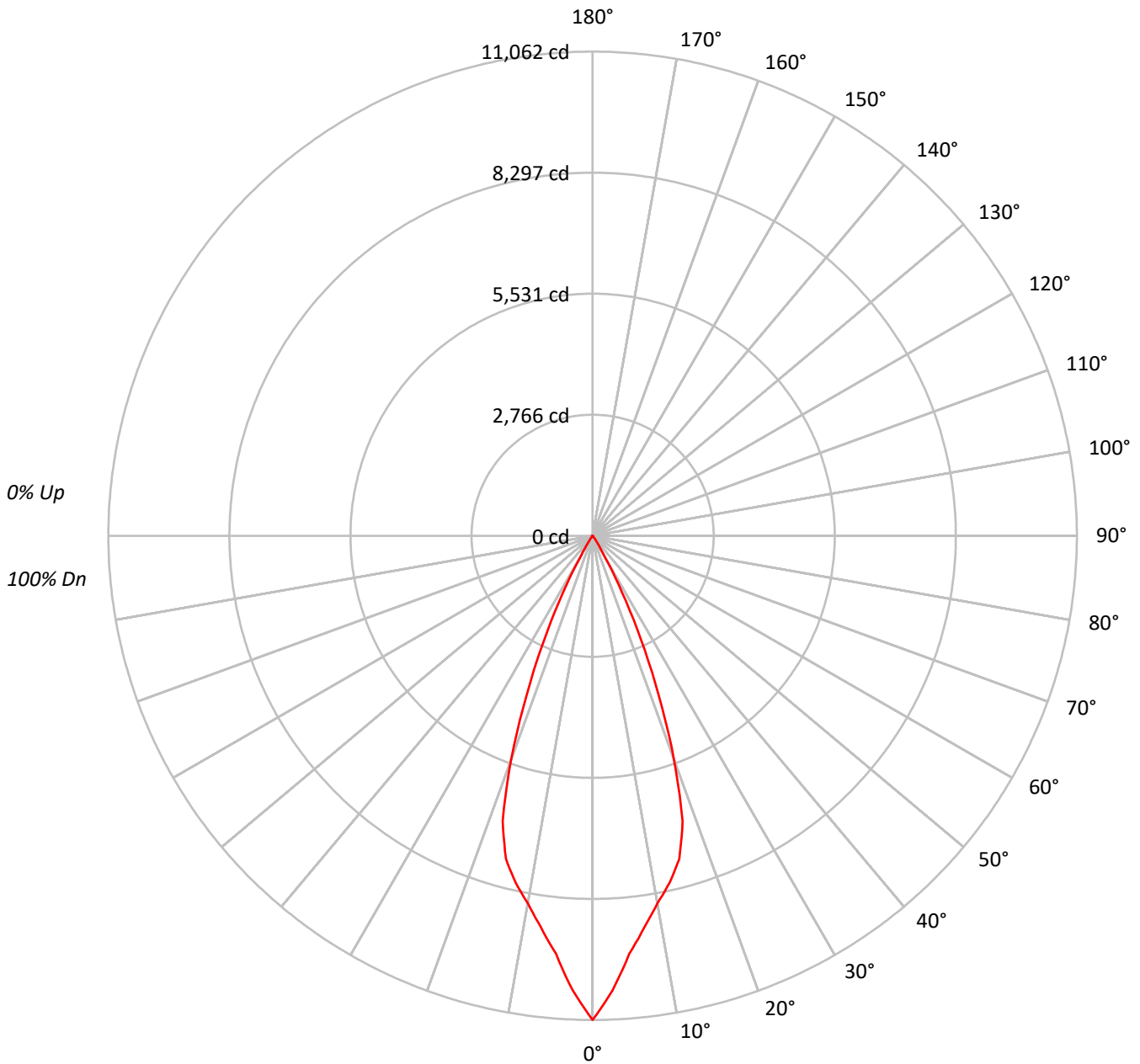
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	109	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	100	102	99	97	99	97	95	96	95	93	92	92	92	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88	88	88	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85	85	85	85
5	99	93	88	85	98	92	88	84	90	87	84	89	86	83	87	85	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	84	80	77	82	79	76	81	78	76	75	75	75	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72	72	72	72
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70	70	70	70
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67	67	67	67

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

	0°
0°	606448
5°	527866
10°	474635
15°	433947
20°	317046
25°	157291
30°	34759
35°	6746
40°	1209
45°	326
50°	145
55°	76
60°	88
65°	104
70°	128
75°	169
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	887.3	20.9
10°-20°	2054.5	48.3
20°-30°	1201.9	28.3
30°-40°	103.1	2.4
40°-50°	4.7	0.1
50°-60°	0.8	0.0
60°-70°	0.8	0.0
70°-80°	0.5	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°	4143.7	97.4
0°-40°	4246.8	99.8
0°-60°	4252.4	100.0
0°-90°	4253.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4253.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11062	
5°	9592	887
15°	7646	2054
25°	2600	1202
35°	101	103
45°	4	5
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11062.5
2.5°	10401.6
5°	9592.4
7.5°	9028.1
10°	8526.5
12.5°	8118.1
15°	7646.1
17.5°	6832.7
20°	5434.6
22.5°	3931.5
25°	2600.4
27.5°	1439.6
30°	549.1
32.5°	281.3
35°	100.8
37.5°	32.2
40°	16.9
42.5°	9.3
45°	4.2
47.5°	2.5
50°	1.7
52.5°	0.8
55°	0.8
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.0
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)