

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: P179594

Luminaire Tested: **LDA6A45935D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179594  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26664)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A45935D010TE LARH40FL 6LAL1LI  
Description: PORTFOLIO 6" Lensed Adjustable, 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: 3847.9 lumens  
Efficiency: N/A  
Efficacy: 72.6 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.58  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

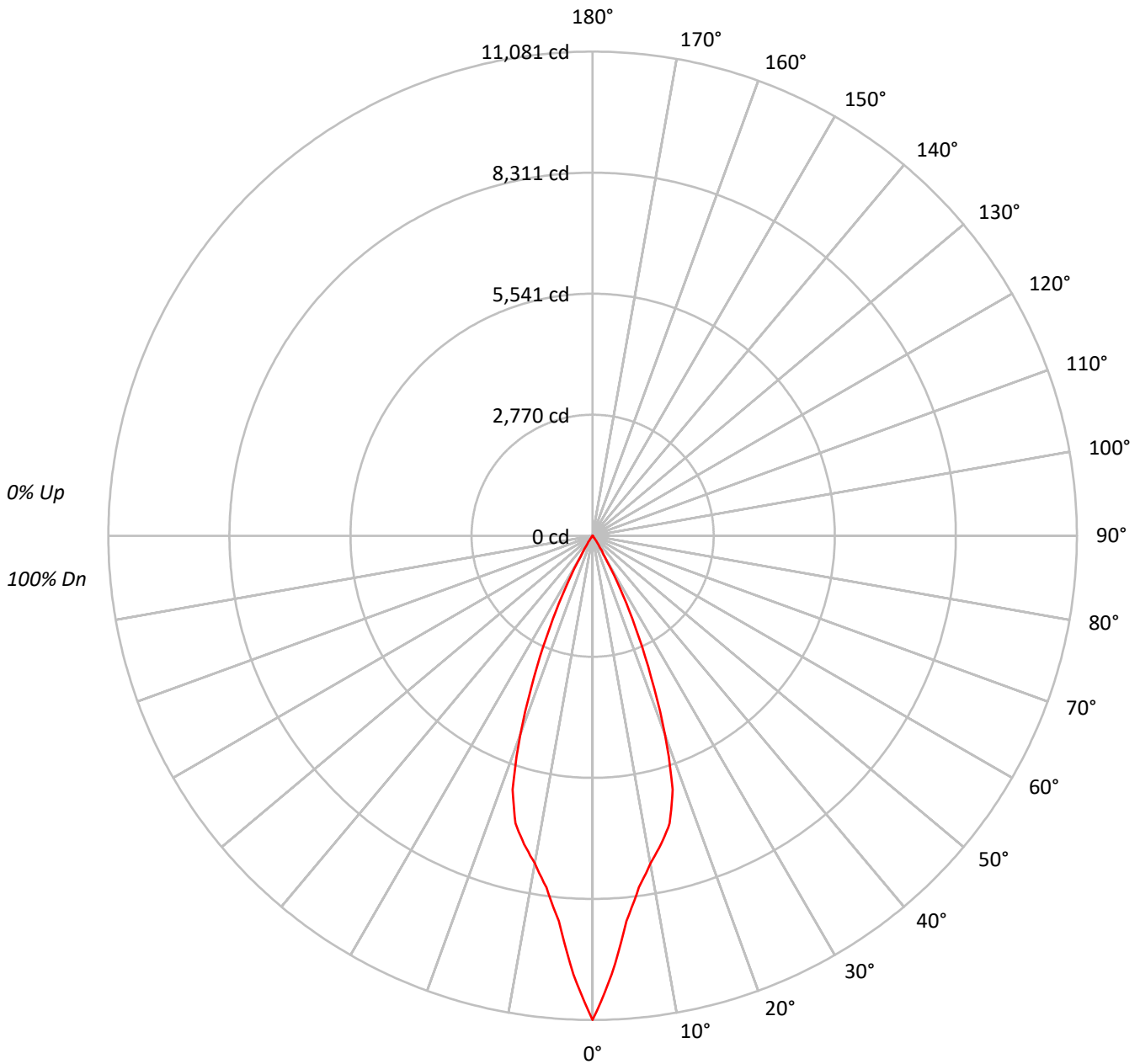
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	607451
5°	487100
10°	423729
15°	386716
20°	282638
25°	138885
30°	34056
35°	7428
40°	1639
45°	659
50°	358
55°	564
60°	559
65°	441
70°	401
75°	360
80°	253
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	813.7	21.1
10°-20°	1831.2	47.6
20°-30°	1080.1	28.1
30°-40°	104.2	2.7
40°-50°	8.0	0.2
50°-60°	4.8	0.1
60°-70°	3.4	0.1
70°-80°	2.0	0.1
80°-90°	0.3	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°	3725.1	96.8
0°-40°	3829.3	99.5
0°-60°	3842.1	99.9
0°-90°	3847.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3847.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11081	
5°	8852	814
15°	6814	1831
25°	2296	1080
35°	111	104
45°	8	8
55°	6	5
65°	3	3
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11080.8
2.5°	10047.1
5°	8851.6
7.5°	8116.2
10°	7612.0
12.5°	7232.4
15°	6813.9
17.5°	6089.5
20°	4844.8
22.5°	3495.1
25°	2296.1
27.5°	1354.8
30°	538.0
32.5°	273.7
35°	111.0
37.5°	37.3
40°	22.9
42.5°	14.4
45°	8.5
47.5°	5.9
50°	4.2
52.5°	5.1
55°	5.9
57.5°	5.9
60°	5.1
62.5°	4.2
65°	3.4
67.5°	2.5
70°	2.5
72.5°	2.5
75°	1.7
77.5°	1.7
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)