

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: P179571

Luminaire Tested: **LDA6A45940D010TE LARH40FL 6LA1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179571  
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: LDA6A45940D010TE LARH40FL 6LA1LI  
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4418.1 lumens  
Efficiency: N/A  
Efficacy: 83.4 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

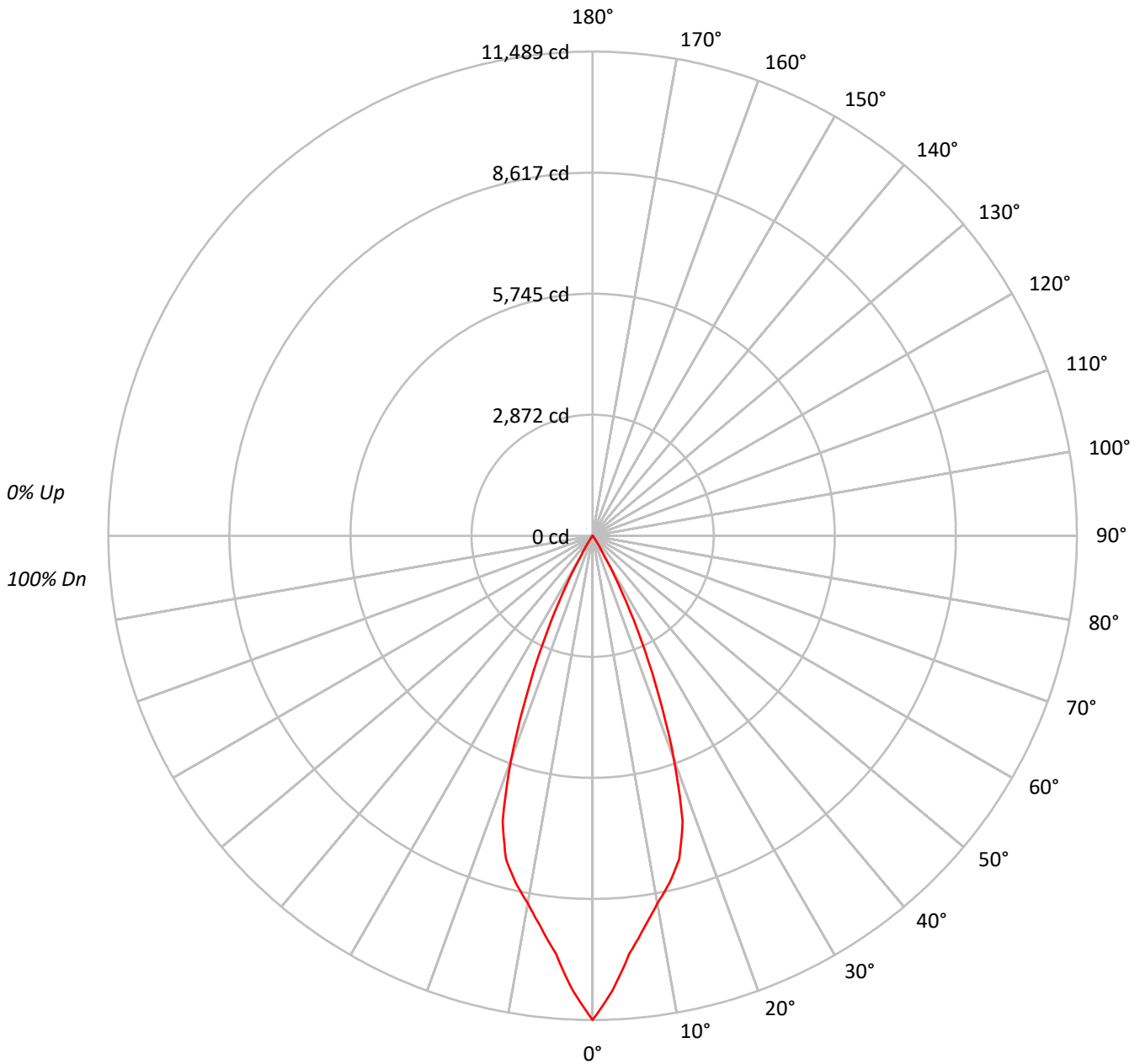
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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																												
1	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96																												
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92																												
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88																												
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85																												
5	99	93	88	85	98	92	88	84	90	87	84	89	86	83	87	85	82	81																												
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78																												
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75																												
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72																												
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70																												
10	84	76	72	69	83	76	71	69	75	71	68	74	71	68	74	70	68	67																												

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

	0°
0°	629851
5°	548238
10°	492949
15°	450695
20°	329285
25°	163364
30°	36094
35°	7007
40°	1260
45°	341
50°	154
55°	86
60°	99
65°	117
70°	144
75°	191
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	921.5	20.9
10°-20°	2133.8	48.3
20°-30°	1248.3	28.3
30°-40°	107.1	2.4
40°-50°	5.0	0.1
50°-60°	0.9	0.0
60°-70°	0.9	0.0
70°-80°	0.6	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°	4303.6	97.4
0°-40°	4410.7	99.8
0°-60°	4416.6	100.0
0°-90°	4418.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4418.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11489	
5°	9963	922
15°	7941	2134
25°	2701	1248
35°	105	107
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°	11489.4
2.5°	10803.0
5°	9962.6
7.5°	9376.5
10°	8855.5
12.5°	8431.4
15°	7941.2
17.5°	7096.4
20°	5644.4
22.5°	4083.3
25°	2700.8
27.5°	1495.1
30°	570.2
32.5°	292.2
35°	104.7
37.5°	33.4
40°	17.6
42.5°	9.7
45°	4.4
47.5°	2.6
50°	1.8
52.5°	0.9
55°	0.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
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)