

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: P179592

Luminaire Tested: **LDA6A45927D010TE LARH40FL 6LAL1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179592  
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: LDA6A45927D010TE LARH40FL 6LAL1LI  
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3490.0 lumens  
Efficiency: N/A  
Efficacy: 65.8 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

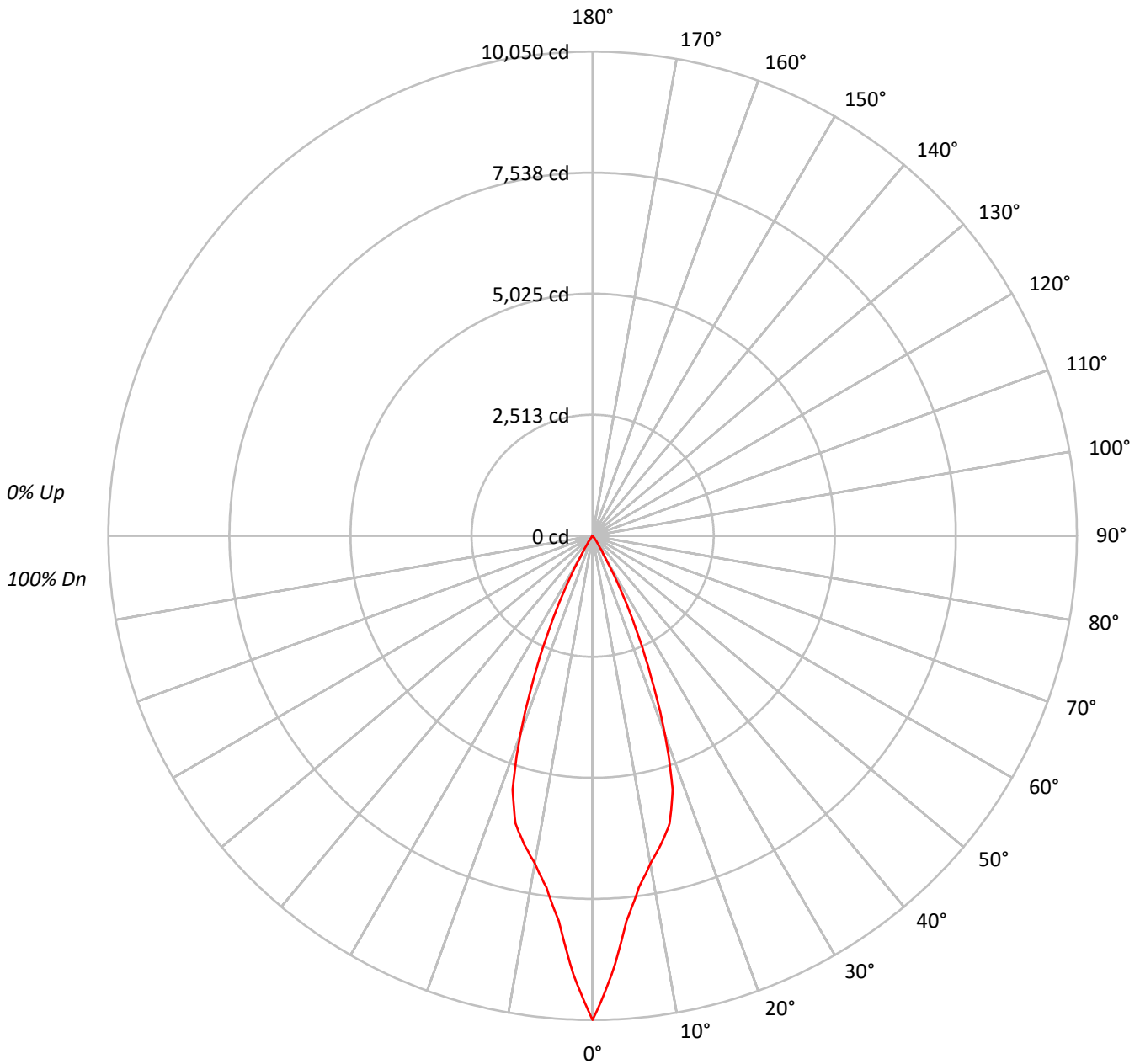
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	100
1	115	112	110	108	112	110	108	107	106	105	103	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	96	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	87	84	90	86	84	88	85	83	87	84	82	81	81	81	81
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78	78	78	78
7	92	85	80	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	76	74	79	76	73	79	75	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	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67	67	67	67

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

	0°
0°	550948
5°	441788
10°	384312
15°	350740
20°	256345
25°	125971
30°	30891
35°	6739
40°	1481
45°	597
50°	324
55°	516
60°	504
65°	402
70°	369
75°	318
80°	253
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	738.0	21.1
10°-20°	1660.9	47.6
20°-30°	979.7	28.1
30°-40°	94.5	2.7
40°-50°	7.3	0.2
50°-60°	4.4	0.1
60°-70°	3.1	0.1
70°-80°	1.8	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°	3378.6	96.8
0°-40°	3473.1	99.5
0°-60°	3484.7	99.8
0°-90°	3490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3490.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10050	
5°	8028	738
15°	6180	1661
25°	2083	980
35°	101	94
45°	8	7
55°	5	4
65°	3	3
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10050.1
2.5°	9112.5
5°	8028.2
7.5°	7361.2
10°	6903.9
12.5°	6559.7
15°	6180.0
17.5°	5523.0
20°	4394.1
22.5°	3169.9
25°	2082.6
27.5°	1228.8
30°	488.0
32.5°	248.2
35°	100.7
37.5°	33.8
40°	20.7
42.5°	13.1
45°	7.7
47.5°	5.4
50°	3.8
52.5°	4.6
55°	5.4
57.5°	5.4
60°	4.6
62.5°	3.8
65°	3.1
67.5°	2.3
70°	2.3
72.5°	2.3
75°	1.5
77.5°	1.5
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)