

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: P179582

Luminaire Tested: **LDA6A45835D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26663)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A45835D010TE LARH30NF 6LAL1LI  
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4336.0 lumens  
Efficiency: N/A  
Efficacy: 81.8 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

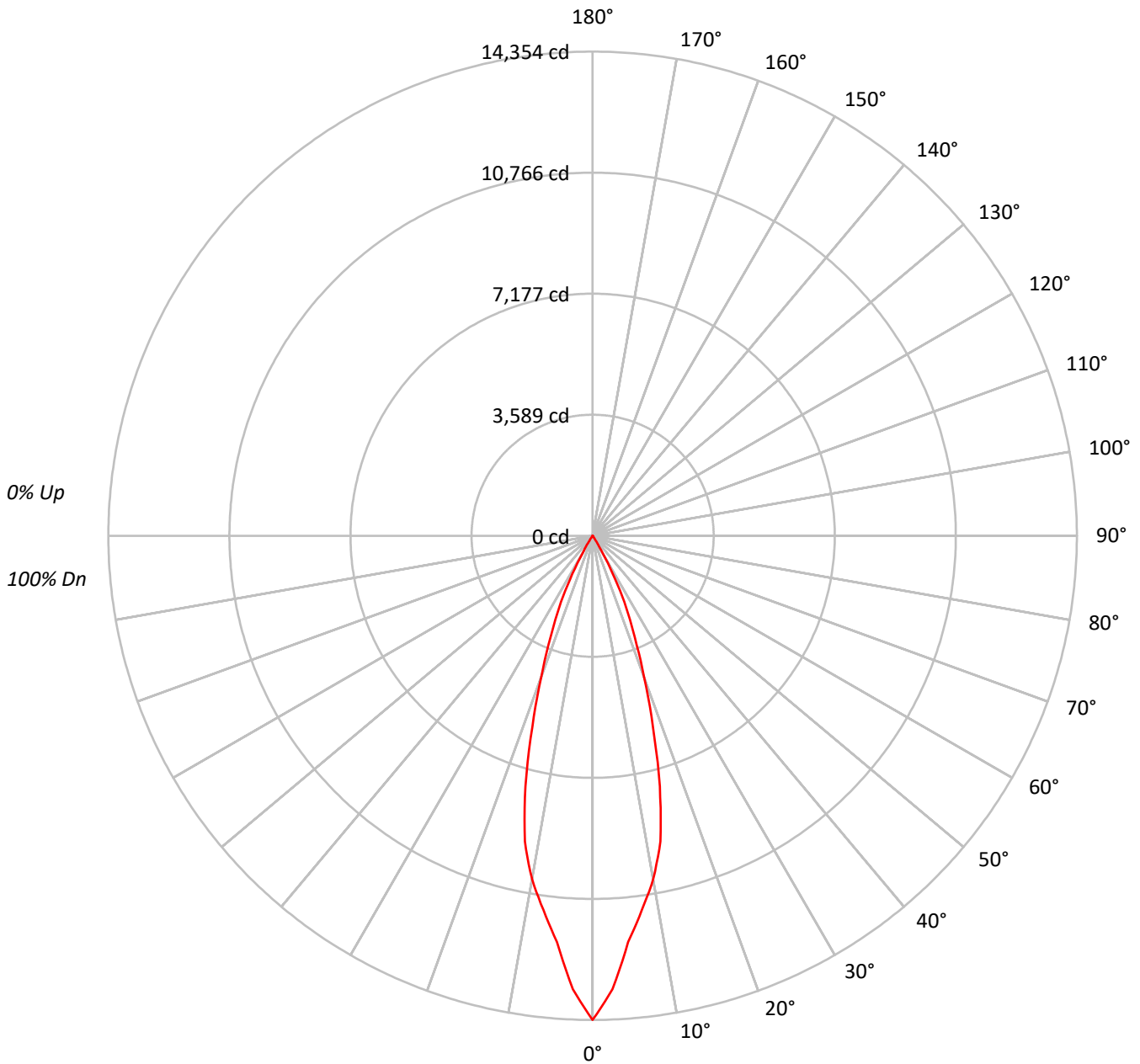
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P179582

CATALOG NUMBER: LDA6A45835D010TE LARH30NF 6LAL1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P179582

CATALOG NUMBER: LDA6A45835D010TE LARH30NF 6LAL1LI

**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			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89			
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86			
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	82			
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79			
7	94	87	82	79	92	86	82	79	85	81	79	84	81	78	83	80	78	77			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72			
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69			

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

	0°
0°	786883
5°	665357
10°	575579
15°	436438
20°	259664
25°	142448
30°	36715
35°	3279
40°	1360
45°	775
50°	426
55°	669
60°	658
65°	519
70°	481
75°	424
80°	316
85°	0



TEST NUMBER: P179582

CATALOG NUMBER: LDA6A45835D010TE LARH30NF 6LAL1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1108.4	25.6
10°-20°	2057.7	47.5
20°-30°	1057.4	24.4
30°-40°	92.2	2.1
40°-50°	8.2	0.2
50°-60°	5.5	0.1
60°-70°	4.1	0.1
70°-80°	2.1	0.0
80°-90°	0.4	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°	4223.5	97.4
0°-40°	4315.7	99.5
0°-60°	4329.4	99.8
0°-90°	4336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4336.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14354	
5°	12091	###
15°	7690	2058
25°	2355	1057
35°	49	92
45°	10	8
55°	7	6
65°	4	4
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P179582

CATALOG NUMBER: LDA6A45835D010TE LARH30NF 6LAL1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14353.9
2.5°	13453.9
5°	12090.9
7.5°	11187.9
10°	10339.9
12.5°	9281.9
15°	7690.0
17.5°	5934.0
20°	4451.0
22.5°	3260.0
25°	2355.0
27.5°	1449.0
30°	580.0
32.5°	251.0
35°	49.0
37.5°	28.0
40°	19.0
42.5°	14.0
45°	10.0
47.5°	7.0
50°	5.0
52.5°	6.0
55°	7.0
57.5°	6.0
60°	6.0
62.5°	5.0
65°	4.0
67.5°	3.0
70°	3.0
72.5°	2.0
75°	2.0
77.5°	2.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)