

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: P179561

Luminaire Tested: **LDA6A45930D010TE LARH30NF 6LA1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179561  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26641)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A45930D010TE LARH30NF 6LA1LI  
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°  
Narrow Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3882.0 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.55  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

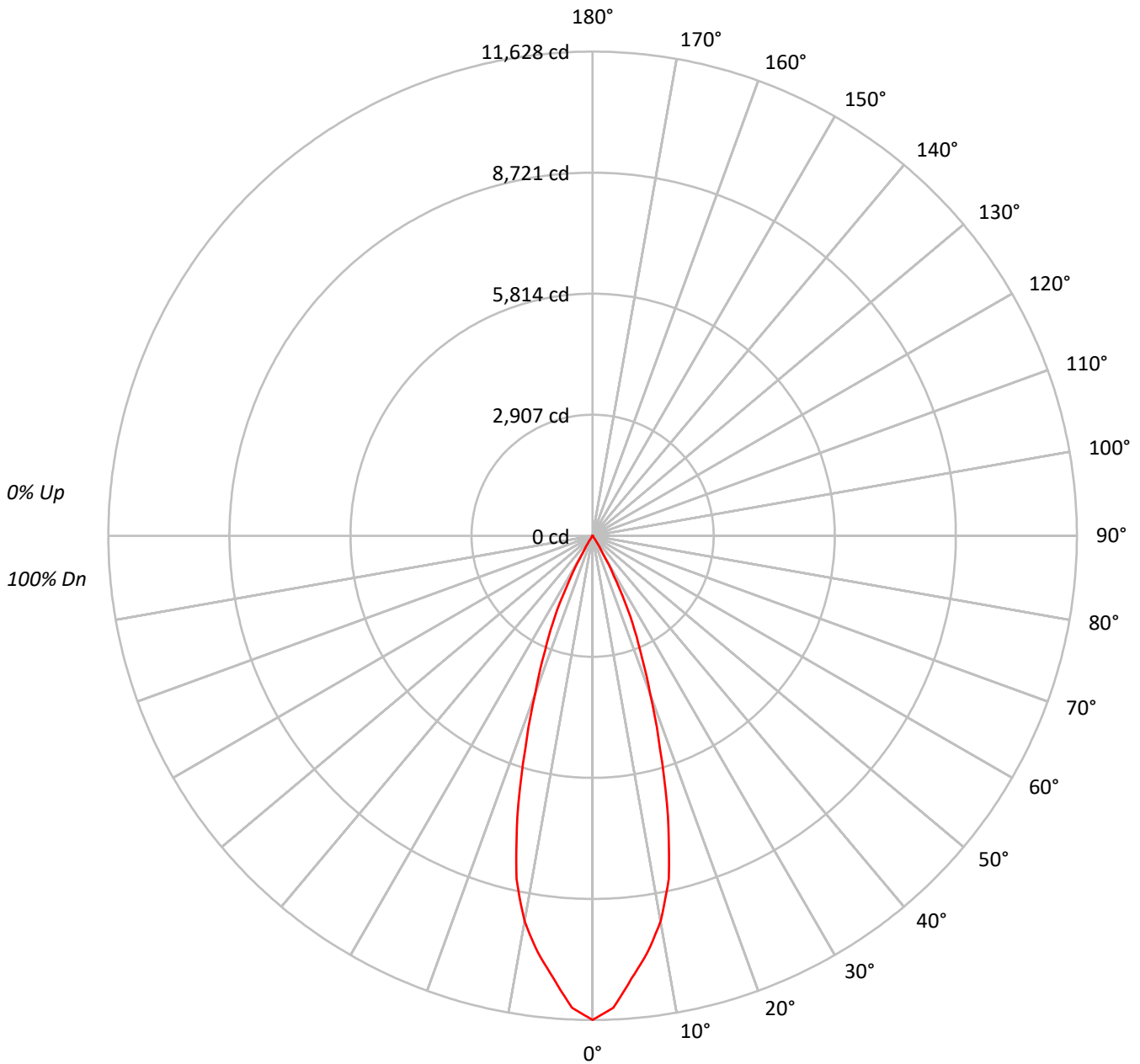
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P179561

CATALOG NUMBER: LDA6A45930D010TE LARH30NF 6LA1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P179561

CATALOG NUMBER: LDA6A45930D010TE LARH30NF 6LA1LI

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	107	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93																			
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89																			
4	103	98	94	90	102	97	93	90	95	92	89	93	90	88	91	89	87	86																			
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	88	86	84	83																			
6	97	90	86	83	96	90	85	82	88	85	82	87	84	81	86	83	81	80																			
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	79	76	81	78	76	81	78	75	74																			
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	77	73	71	76	73	71	70																			

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

	0°
0°	637443
5°	587754
10°	523159
15°	396171
20°	235944
25°	130048
30°	30910
35°	2235
40°	644
45°	186
50°	68
55°	76
60°	88
65°	104
70°	128
75°	0
80°	0
85°	0



TEST NUMBER: P179561

CATALOG NUMBER: LDA6A45930D010TE LARH30NF 6LA1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	982.5	25.3
10°-20°	1870.0	48.2
20°-30°	951.8	24.5
30°-40°	73.2	1.9
40°-50°	2.6	0.1
50°-60°	0.7	0.0
60°-70°	0.8	0.0
70°-80°	0.3	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°	3804.4	98.0
0°-40°	3877.6	99.9
0°-60°	3880.9	100.0
0°-90°	3882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3882.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11628	
5°	10681	983
15°	6980	1870
25°	2150	952
35°	33	73
45°	2	3
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P179561

CATALOG NUMBER: LDA6A45930D010TE LARH30NF 6LA1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11627.9
2.5°	11346.3
5°	10680.7
7.5°	10092.3
10°	9398.2
12.5°	8441.2
15°	6980.5
17.5°	5395.3
20°	4044.4
22.5°	2981.6
25°	2150.0
27.5°	1240.2
30°	488.3
32.5°	201.0
35°	33.4
37.5°	17.1
40°	9.0
42.5°	4.9
45°	2.4
47.5°	1.6
50°	0.8
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°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)