

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: P179581

Luminaire Tested: **LDA6A45830D010TE LARH30NF 6LAL1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179581  
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: LDA6A45830D010TE LARH30NF 6LAL1LI  
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 30° Narrow Flood  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4249.7 lumens  
Efficiency: N/A  
Efficacy: 80.2 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

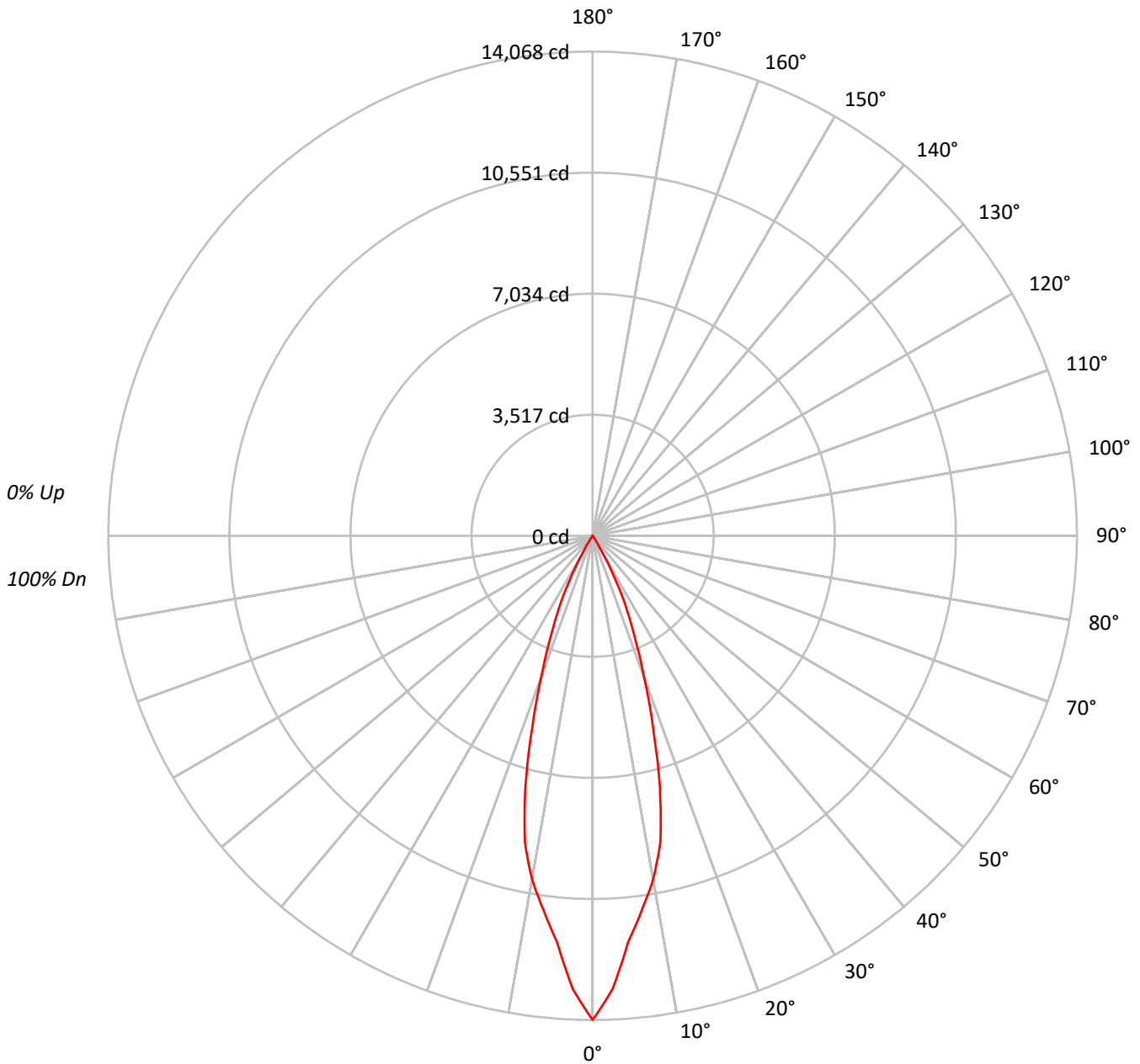
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			
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°	771210
5°	652106
10°	564118
15°	427744
20°	254490
25°	139611
30°	35980
35°	3212
40°	1331
45°	760
50°	418
55°	659
60°	647
65°	506
70°	465
75°	424
80°	316
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1086.3	25.6
10°-20°	2016.7	47.5
20°-30°	1036.3	24.4
30°-40°	90.4	2.1
40°-50°	8.0	0.2
50°-60°	5.4	0.1
60°-70°	4.0	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°	4139.4	97.4
0°-40°	4229.8	99.5
0°-60°	4243.2	99.8
0°-90°	4249.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4249.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14068	
5°	11850	###
15°	7537	2017
25°	2308	1036
35°	48	90
45°	10	8
55°	7	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14068.0
2.5°	13186.0
5°	11850.1
7.5°	10965.1
10°	10134.0
12.5°	9097.1
15°	7536.8
17.5°	5815.8
20°	4362.3
22.5°	3195.1
25°	2308.1
27.5°	1420.1
30°	568.4
32.5°	246.0
35°	48.0
37.5°	27.4
40°	18.6
42.5°	13.7
45°	9.8
47.5°	6.9
50°	4.9
52.5°	5.9
55°	6.9
57.5°	5.9
60°	5.9
62.5°	4.9
65°	3.9
67.5°	2.9
70°	2.9
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



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— 0°-180°







(END OF REPORT)