

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: P179606

Luminaire Tested: **LDA6A45835D010TE LARH30NF 6LFC1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26666)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A45835D010TE LARH30NF 6LFC1H  
Description: PORTFOLIO 6" Flat Cone, 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: 4749.0 lumens  
Efficiency: N/A  
Efficacy: 89.6 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.55  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

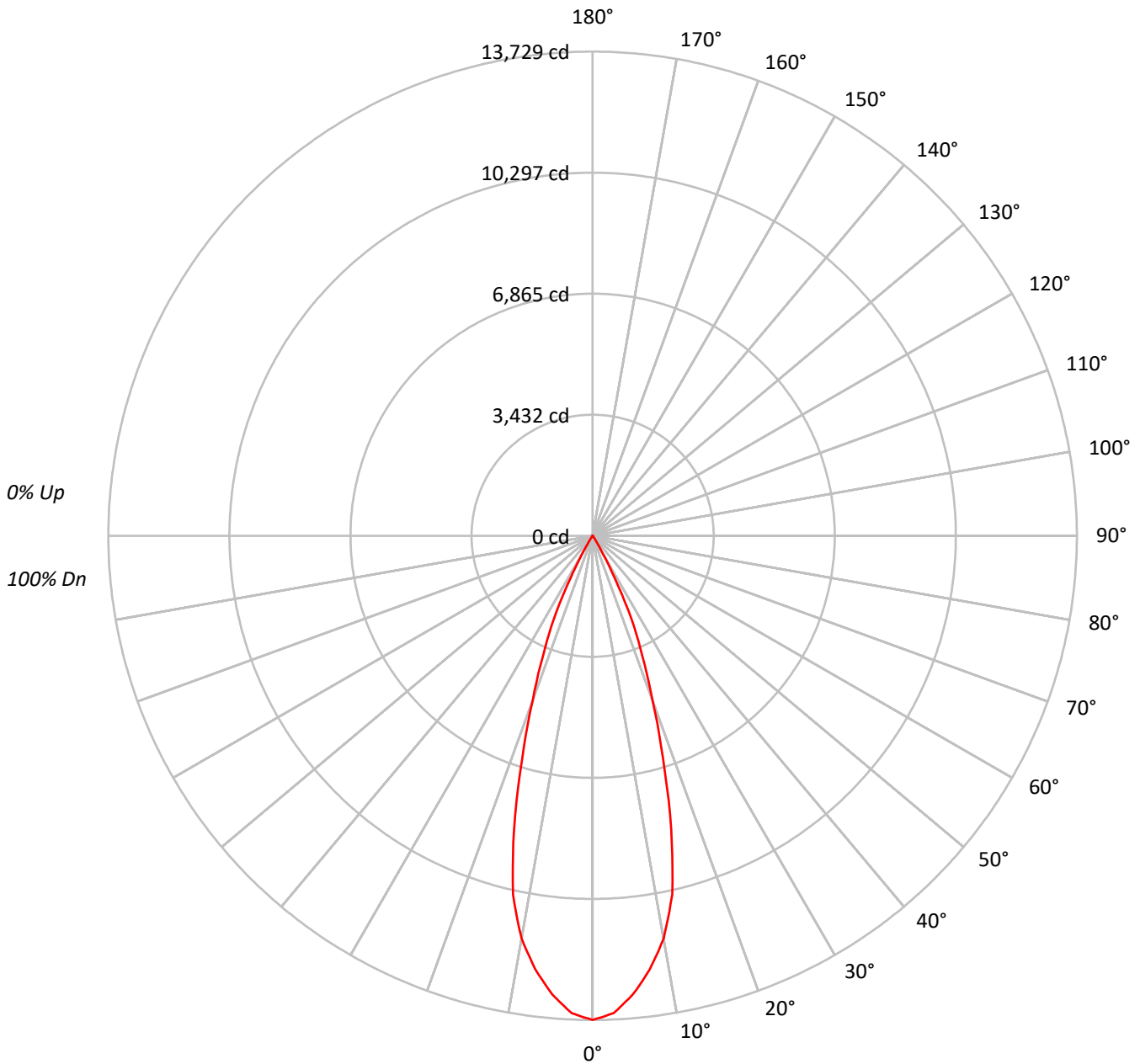
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	100	102	100	98	99	98	96	97	95	94	93			
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89			
4	103	98	94	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	83			
6	97	90	86	83	96	89	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°	752637
5°	718703
10°	645635
15°	488453
20°	290158
25°	158289
30°	35828
35°	3346
40°	1431
45°	698
50°	512
55°	382
60°	329
65°	259
70°	160
75°	212
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1200.7	25.3
10°-20°	2304.8	48.5
20°-30°	1141.9	24.0
30°-40°	86.6	1.8
40°-50°	8.0	0.2
50°-60°	3.9	0.1
60°-70°	2.2	0.0
70°-80°	0.9	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°	4647.3	97.9
0°-40°	4734.0	99.7
0°-60°	4745.9	99.9
0°-90°	4749.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4749.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13729	
5°	13060	###
15°	8606	2305
25°	2617	1142
35°	50	87
45°	9	8
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13729.2
2.5°	13551.2
5°	13060.3
7.5°	12406.3
10°	11598.4
12.5°	10419.4
15°	8606.5
17.5°	6636.6
20°	4973.7
22.5°	3662.8
25°	2616.9
27.5°	1344.9
30°	566.0
32.5°	216.0
35°	50.0
37.5°	30.0
40°	20.0
42.5°	13.0
45°	9.0
47.5°	7.0
50°	6.0
52.5°	5.0
55°	4.0
57.5°	4.0
60°	3.0
62.5°	3.0
65°	2.0
67.5°	2.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	1.0
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)