

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: P179558

Luminaire Tested: **LDA6A45835D010TE LARH30NF 6LA1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P179558  
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: LDA6A45835D010TE LARH30NF 6LA1LI  
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, 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: 4770.0 lumens  
Efficiency: N/A  
Efficacy: 90.0 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

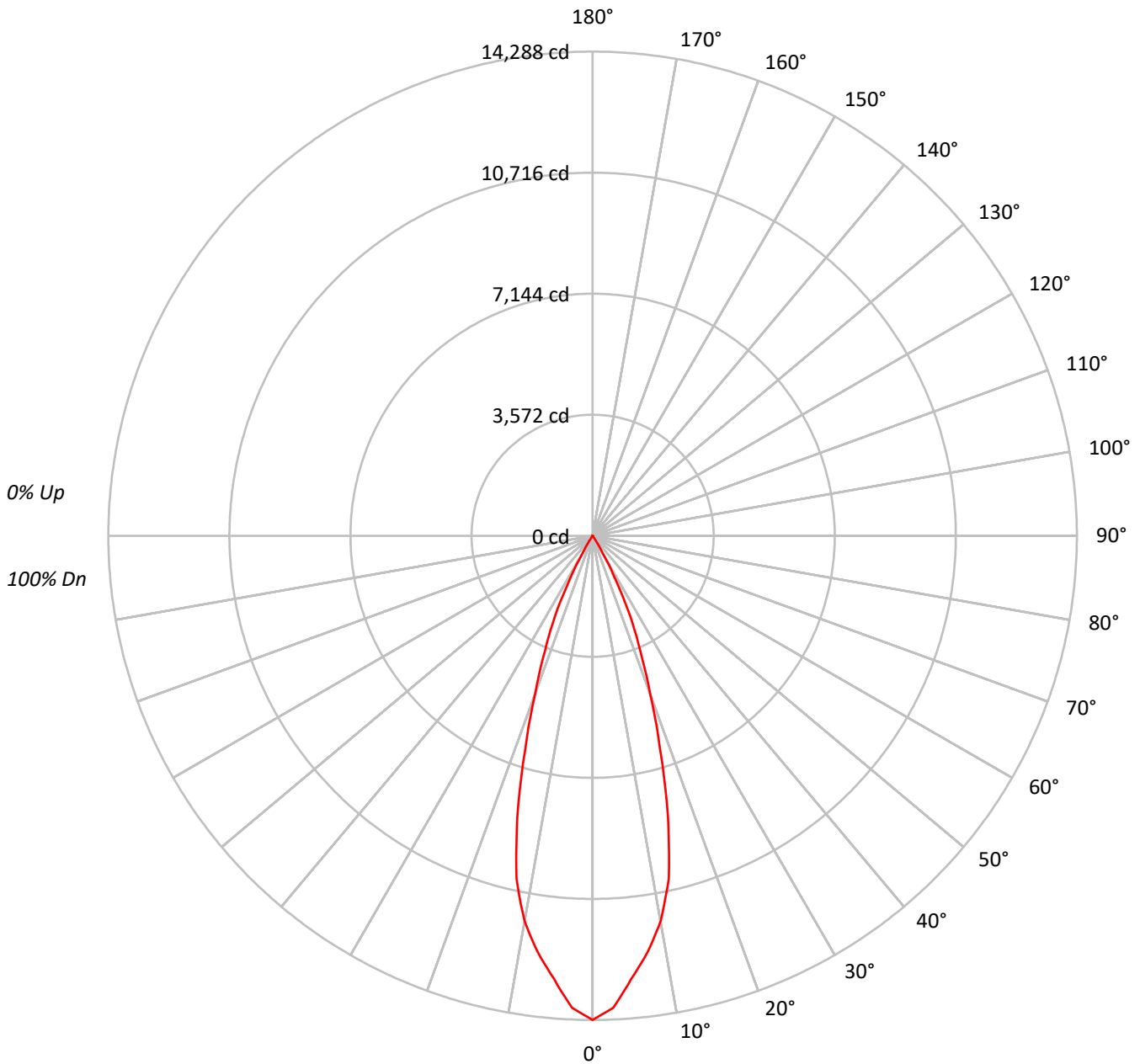
Input Watts (W): 53  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	89	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°	783260
5°	722203
10°	642829
15°	486796
20°	289919
25°	159796
30°	37974
35°	2744
40°	787
45°	233
50°	85
55°	96
60°	110
65°	130
70°	160
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1207.3	25.3
10°-20°	2297.8	48.2
20°-30°	1169.5	24.5
30°-40°	89.9	1.9
40°-50°	3.2	0.1
50°-60°	0.9	0.0
60°-70°	1.0	0.0
70°-80°	0.4	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°	4674.6	98.0
0°-40°	4764.5	99.9
0°-60°	4768.6	100.0
0°-90°	4770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4770.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14288	
5°	13124	###
15°	8577	2298
25°	2642	1170
35°	41	90
45°	3	3
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14287.8
2.5°	13941.8
5°	13123.9
7.5°	12400.9
10°	11548.0
12.5°	10372.1
15°	8577.3
17.5°	6629.4
20°	4969.6
22.5°	3663.7
25°	2641.8
27.5°	1523.9
30°	599.9
32.5°	247.0
35°	41.0
37.5°	21.0
40°	11.0
42.5°	6.0
45°	3.0
47.5°	2.0
50°	1.0
52.5°	1.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	0.0
77.5°	0.0
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)