

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: P205482

Luminaire Tested: **LD6B10D010 EU6B10209730 6LBMGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205482  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B10D010 EU6B10209730 6LBMGPH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 442.6 lumens  
Efficiency: N/A  
Efficacy: 44.7 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

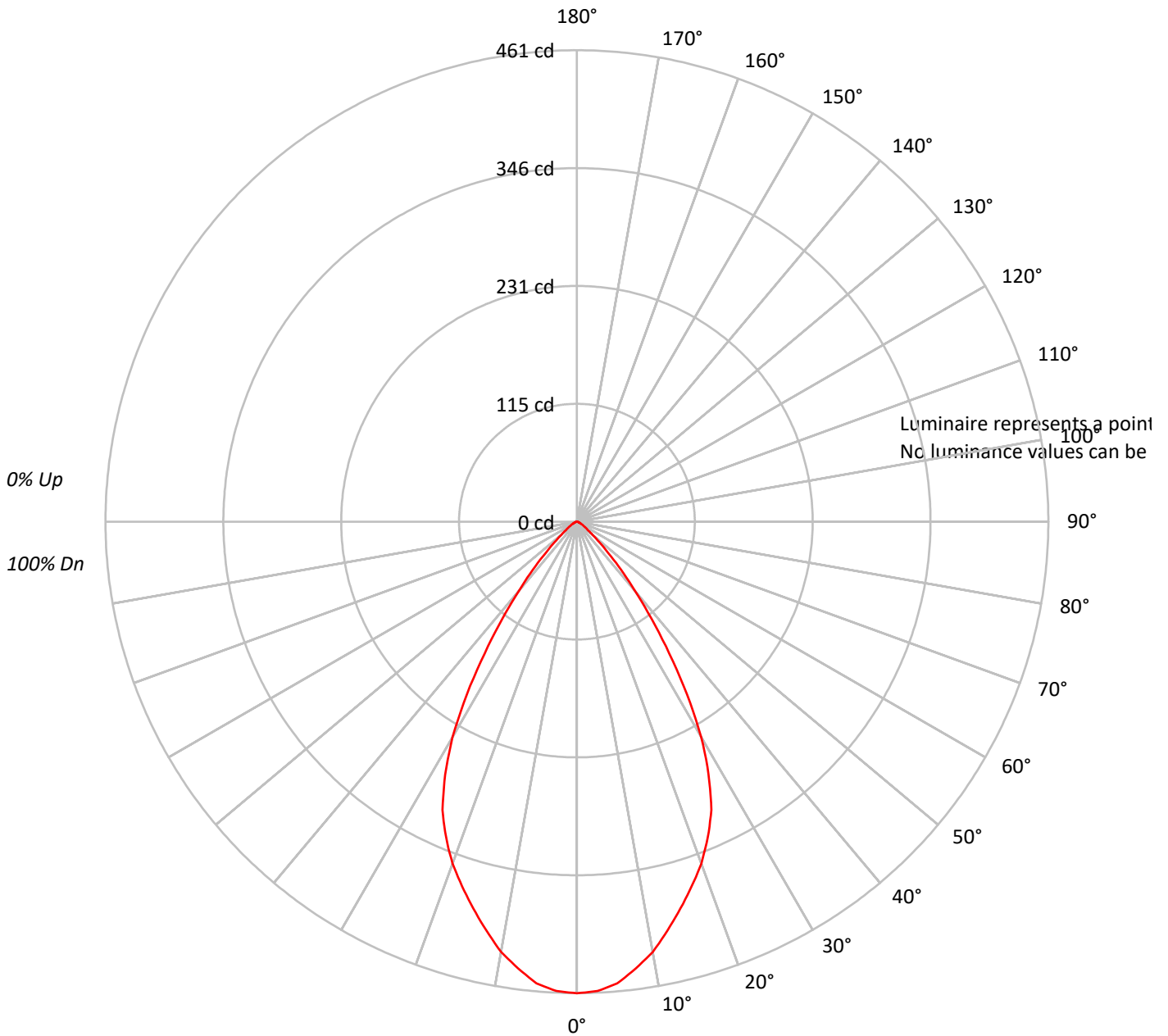
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93			
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86			
3	102	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79			
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73			
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68			
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59			
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55			
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51			
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48			

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.4	9.6
10°-20°	109.9	24.8
20°-30°	140.1	31.6
30°-40°	99.0	22.4
40°-50°	36.2	8.2
50°-60°	10.0	2.3
60°-70°	3.7	0.8
70°-80°	1.3	0.3
80°-90°	0.1	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°	292.4	66.1
0°-40°	391.4	88.4
0°-60°	437.6	98.9
0°-90°	442.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	442.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	461	
5°	453	42
15°	392	110
25°	311	140
35°	157	99
45°	44	36
55°	11	10
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	461.2
2.5°	459.4
5°	453.2
7.5°	440.7
10°	427.3
12.5°	409.4
15°	391.5
17.5°	373.6
20°	355.7
22.5°	334.3
25°	311.1
27.5°	278.9
30°	243.1
32.5°	200.2
35°	157.3
37.5°	119.8
40°	87.6
42.5°	63.5
45°	43.8
47.5°	29.5
50°	19.7
52.5°	13.4
55°	10.7
57.5°	8.0
60°	6.3
62.5°	4.5
65°	3.6
67.5°	2.7
70°	1.8
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)