

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: P203314

Luminaire Tested: **LD6B10D010 EU6B10208030 6LBMWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203314  
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 EU6B10208030 6LBMWH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH WHEAT 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: 839.1 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

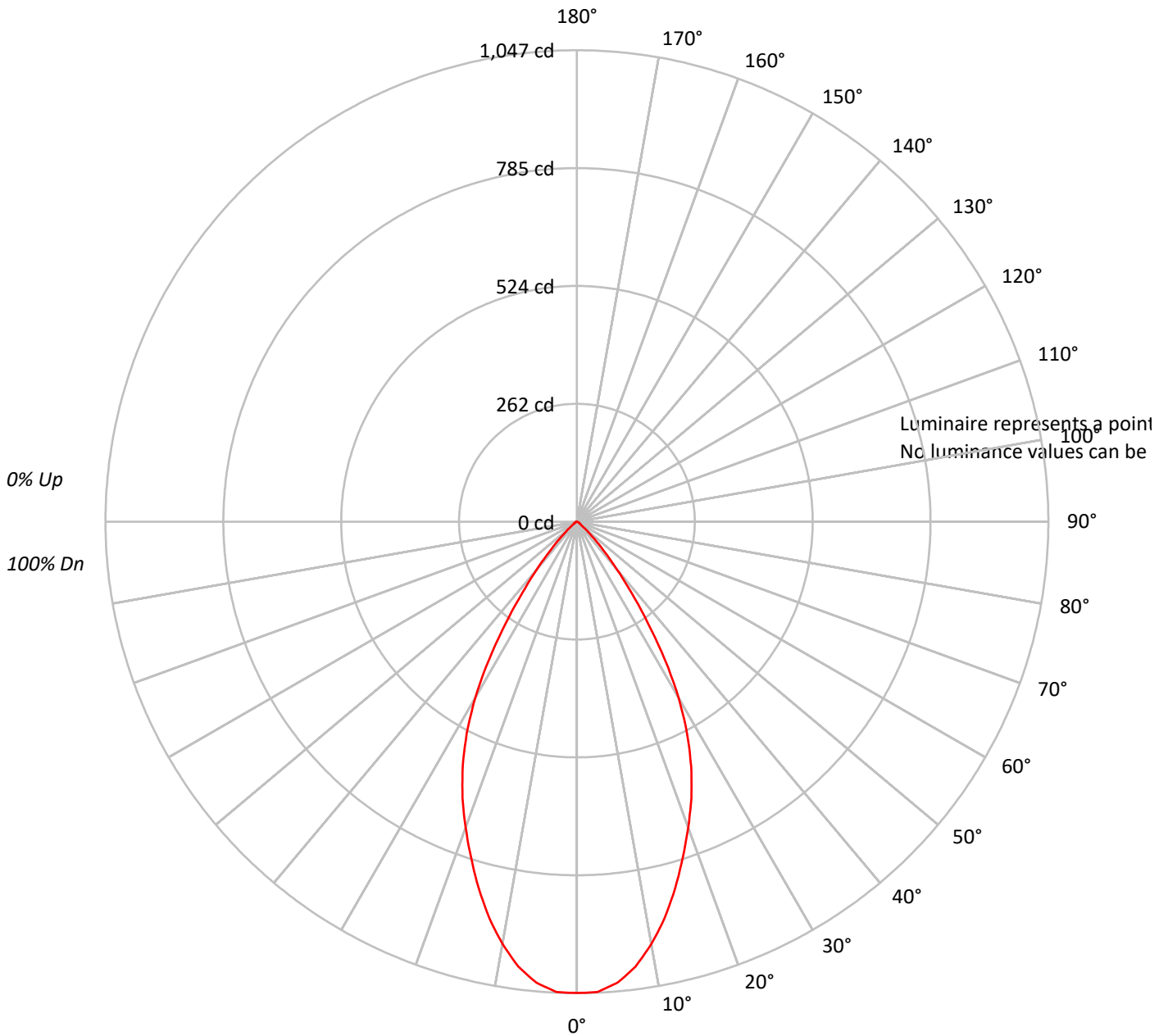
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																												
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87																												
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																												
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																												
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																												
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66																												
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62																												
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58																												
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55																												
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																												

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.7	11.4
10°-20°	234.9	28.0
20°-30°	271.8	32.4
30°-40°	173.7	20.7
40°-50°	49.2	5.9
50°-60°	8.8	1.0
60°-70°	3.6	0.4
70°-80°	1.3	0.1
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°	602.5	71.8
0°-40°	776.2	92.5
0°-60°	834.3	99.4
0°-90°	839.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1047	
5°	1028	96
15°	843	235
25°	600	272
35°	274	174
45°	57	49
55°	8	9
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1046.8
2.5°	1045.6
5°	1028.1
7.5°	996.6
10°	952.3
12.5°	900.9
15°	842.6
17.5°	781.9
20°	722.4
22.5°	664.0
25°	599.8
27.5°	529.8
30°	451.6
32.5°	364.1
35°	274.2
37.5°	198.4
40°	137.7
42.5°	91.0
45°	57.2
47.5°	33.8
50°	19.8
52.5°	11.7
55°	8.2
57.5°	7.0
60°	5.8
62.5°	4.7
65°	3.5
67.5°	2.3
70°	2.3
72.5°	1.2
75°	1.2
77.5°	1.2
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)