

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: P203216

Luminaire Tested: **LD6B10D010 EU6B10209030 6LBMH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203216  
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 EU6B10209030 6LBMH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 663.5 lumens  
Efficiency: N/A  
Efficacy: 67.0 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

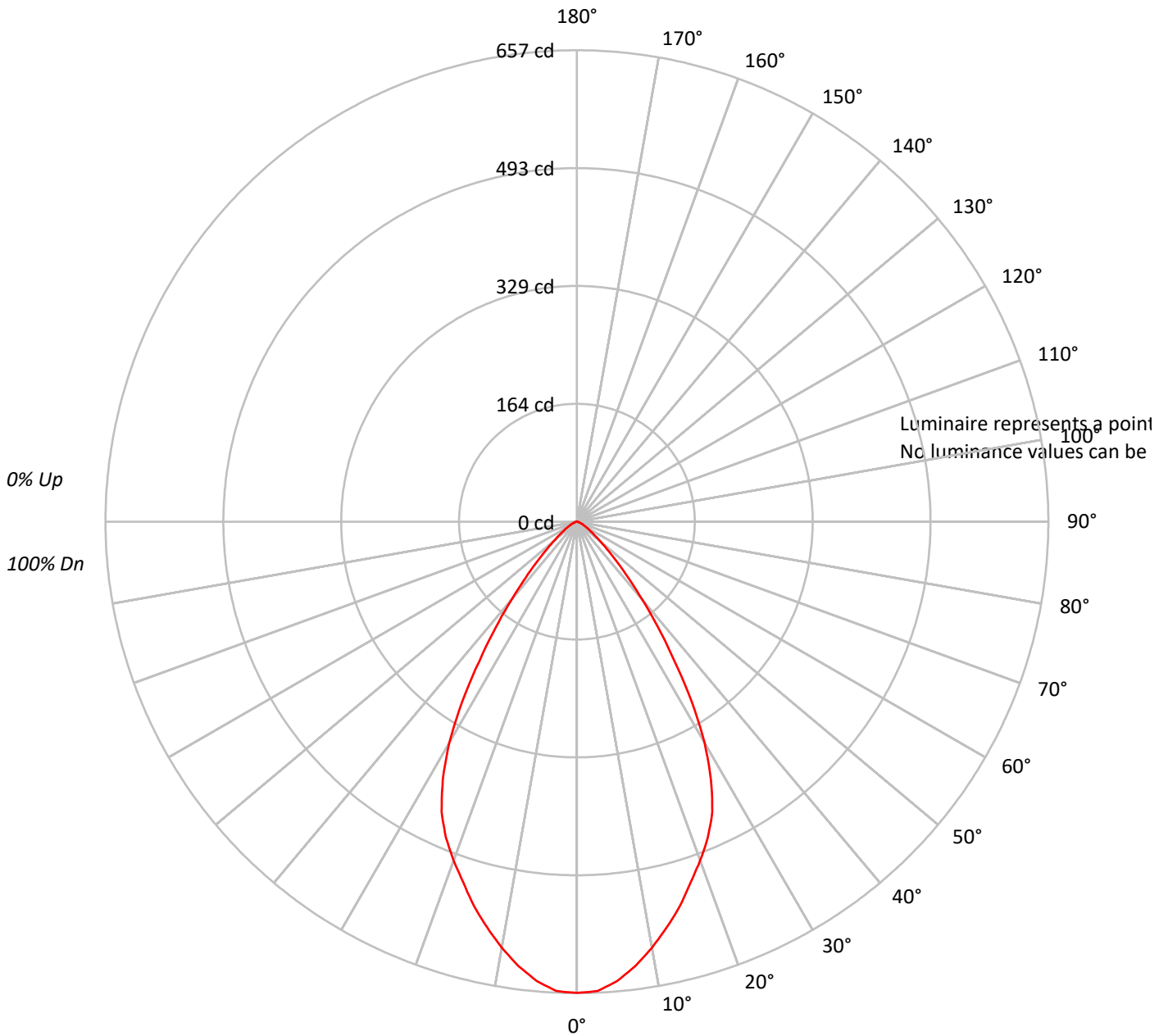
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20																		
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	50	30	10	0																
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	99	97	97	95	94	92	92	85	85																	
	1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	90	88	87	85	82	80	78	78																	
	2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	82	80	78	78	78	78	78	78	78																	
	3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78	78	78	78	78	78	78	78	78	78	78																	
	4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72	72	72	72	72	72	72	72																	
	5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66	66	66	66	66	66	66	66																	
	6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61	61	61	61	61	61	61	61																	
	7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57	57	57	57	57	57	57	57																	
	8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53	53	53	53	53	53	53	53																	
	9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49	49	49	49	49	49	49	49																	
	10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46	46	46	46	46	46	46	46																	

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





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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.0	9.0
10°-20°	155.3	23.4
20°-30°	201.3	30.3
30°-40°	149.4	22.5
40°-50°	63.1	9.5
50°-60°	22.4	3.4
60°-70°	8.6	1.3
70°-80°	3.0	0.4
80°-90°	0.4	0.1
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°	416.7	62.8
0°-40°	566.1	85.3
0°-60°	651.6	98.2
0°-90°	663.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	657	
5°	642	60
15°	554	155
25°	446	201
35°	237	149
45°	78	63
55°	24	22
65°	8	9
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	656.7
2.5°	654.8
5°	642.5
7.5°	624.5
10°	602.7
12.5°	579.0
15°	554.4
17.5°	526.9
20°	502.2
22.5°	476.7
25°	446.3
27.5°	404.6
30°	355.4
32.5°	297.6
35°	236.9
37.5°	185.7
40°	141.2
42.5°	105.2
45°	77.7
47.5°	56.9
50°	41.7
52.5°	31.3
55°	23.7
57.5°	18.0
60°	14.2
62.5°	10.4
65°	8.5
67.5°	6.6
70°	4.7
72.5°	3.8
75°	2.8
77.5°	1.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)