

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: P252761

Luminaire Tested: **LD6B10D010 EU6B10209040 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B10D010 EU6B10209040 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

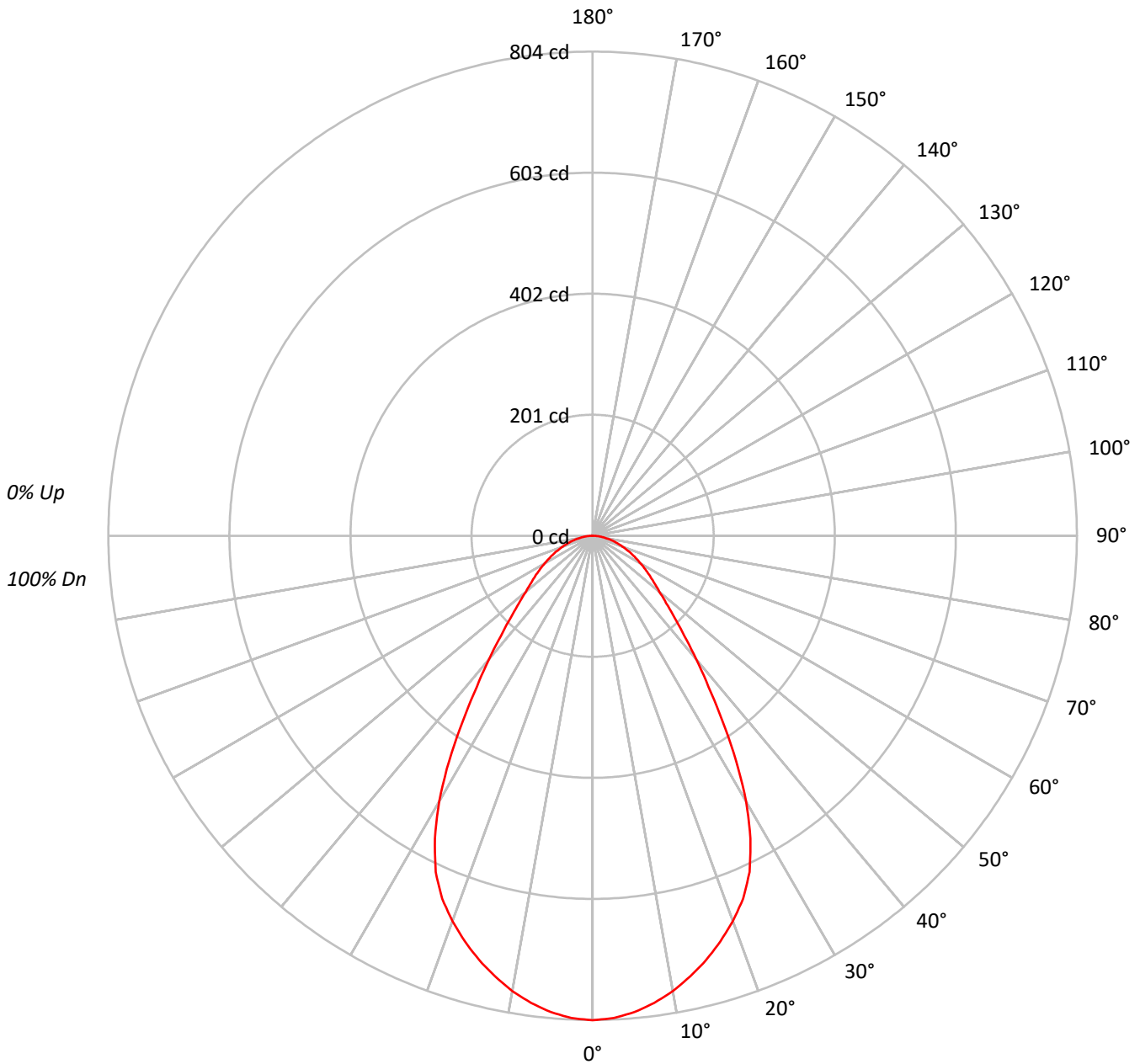
Lumens per Lamp: N/A  
Luminaire Lumens: 1173.0 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 10.05  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

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

	0°
0°	52486
5°	52005
10°	50858
15°	49245
20°	47259
25°	44364
30°	38390
35°	29890
40°	22714
45°	17705
50°	14687
55°	13183
60°	12004
65°	11069
70°	10167
75°	9427
80°	8529
85°	7785



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.0	6.4
10°-20°	204.9	17.5
20°-30°	279.0	23.8
30°-40°	236.1	20.1
40°-50°	151.5	12.9
50°-60°	104.2	8.9
60°-70°	71.2	6.1
70°-80°	39.6	3.4
80°-90°	11.6	1.0
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°	558.8	47.6
0°-40°	794.9	67.8
0°-60°	1050.6	89.6
0°-90°	1173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1173.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	804	
5°	794	75
15°	729	205
25°	616	279
35°	375	236
45°	192	151
55°	116	104
65°	72	71
75°	37	40
85°	10	12
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	804.5
2.5°	801.5
5°	794.1
7.5°	782.5
10°	767.7
12.5°	749.3
15°	729.1
17.5°	705.8
20°	680.7
22.5°	652.5
25°	616.3
27.5°	567.2
30°	509.6
32.5°	443.4
35°	375.3
37.5°	315.8
40°	266.7
42.5°	225.7
45°	191.9
47.5°	165.6
50°	144.7
52.5°	128.8
55°	115.9
57.5°	103.6
60°	92.0
62.5°	81.6
65°	71.7
67.5°	61.9
70°	53.3
72.5°	44.8
75°	37.4
77.5°	30.0
80°	22.7
82.5°	16.6
85°	10.4
87.5°	4.3
90°	0.0



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— 0°-180°







(END OF REPORT)