

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: P252771

Luminaire Tested: **LD6B15D010 EU6B10209027 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252771  
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: LD6B15D010 EU6B10209027 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1532.0 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

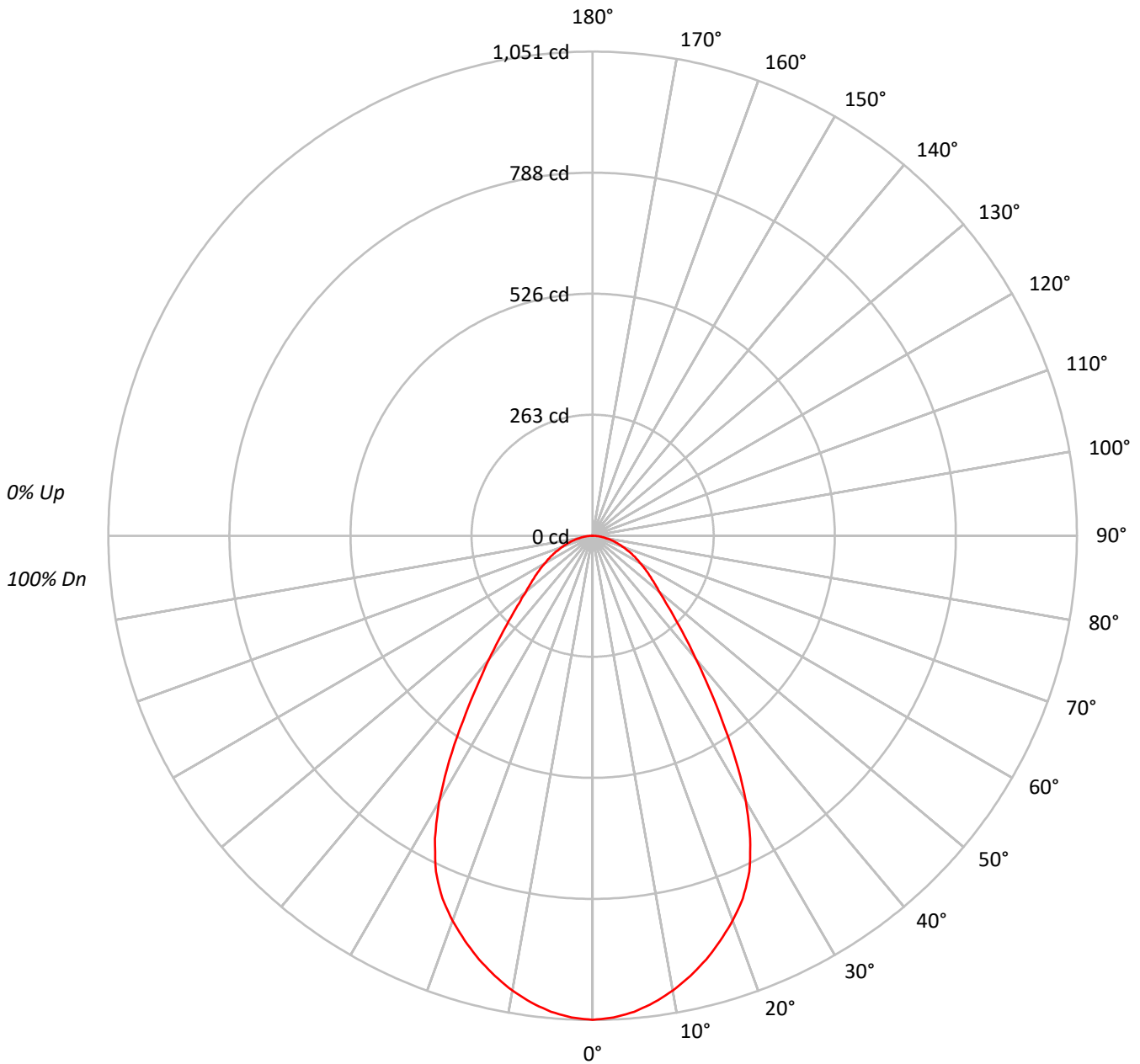
Input Watts (W): 14.39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P252771

CATALOG NUMBER: LD6B15D010 EU6B10209027 6LBBA1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P252771

CATALOG NUMBER: LD6B15D010 EU6B10209027 6LBBA1MW

**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°	68555
5°	67926
10°	66426
15°	64320
20°	61721
25°	57941
30°	50134
35°	39034
40°	29672
45°	23131
50°	19183
55°	17221
60°	15671
65°	14465
70°	13295
75°	12326
80°	11121
85°	10180



TEST NUMBER: P252771

CATALOG NUMBER: LD6B15D010 EU6B10209027 6LBBA1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.9	6.4
10°-20°	267.6	17.5
20°-30°	364.4	23.8
30°-40°	308.3	20.1
40°-50°	197.8	12.9
50°-60°	136.1	8.9
60°-70°	93.0	6.1
70°-80°	51.8	3.4
80°-90°	15.1	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°	729.8	47.6
0°-40°	1038.2	67.8
0°-60°	1372.1	89.6
0°-90°	1532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1532.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1051	
5°	1037	98
15°	952	268
25°	805	364
35°	490	308
45°	251	198
55°	151	136
65°	94	93
75°	49	52
85°	14	15
90°	0	



TEST NUMBER: P252771

CATALOG NUMBER: LD6B15D010 EU6B10209027 6LBBA1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1050.8
2.5°	1046.8
5°	1037.2
7.5°	1021.9
10°	1002.7
12.5°	978.7
15°	952.3
17.5°	921.8
20°	889.0
22.5°	852.1
25°	804.9
27.5°	740.8
30°	665.5
32.5°	579.0
35°	490.1
37.5°	412.5
40°	348.4
42.5°	294.7
45°	250.7
47.5°	216.2
50°	189.0
52.5°	168.2
55°	151.4
57.5°	135.4
60°	120.1
62.5°	106.5
65°	93.7
67.5°	80.9
70°	69.7
72.5°	58.5
75°	48.9
77.5°	39.2
80°	29.6
82.5°	21.6
85°	13.6
87.5°	5.6
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)