

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: P252777

Luminaire Tested: **LD6B15D010 EU6B10209730 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252777  
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 EU6B10209730 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1392.0 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

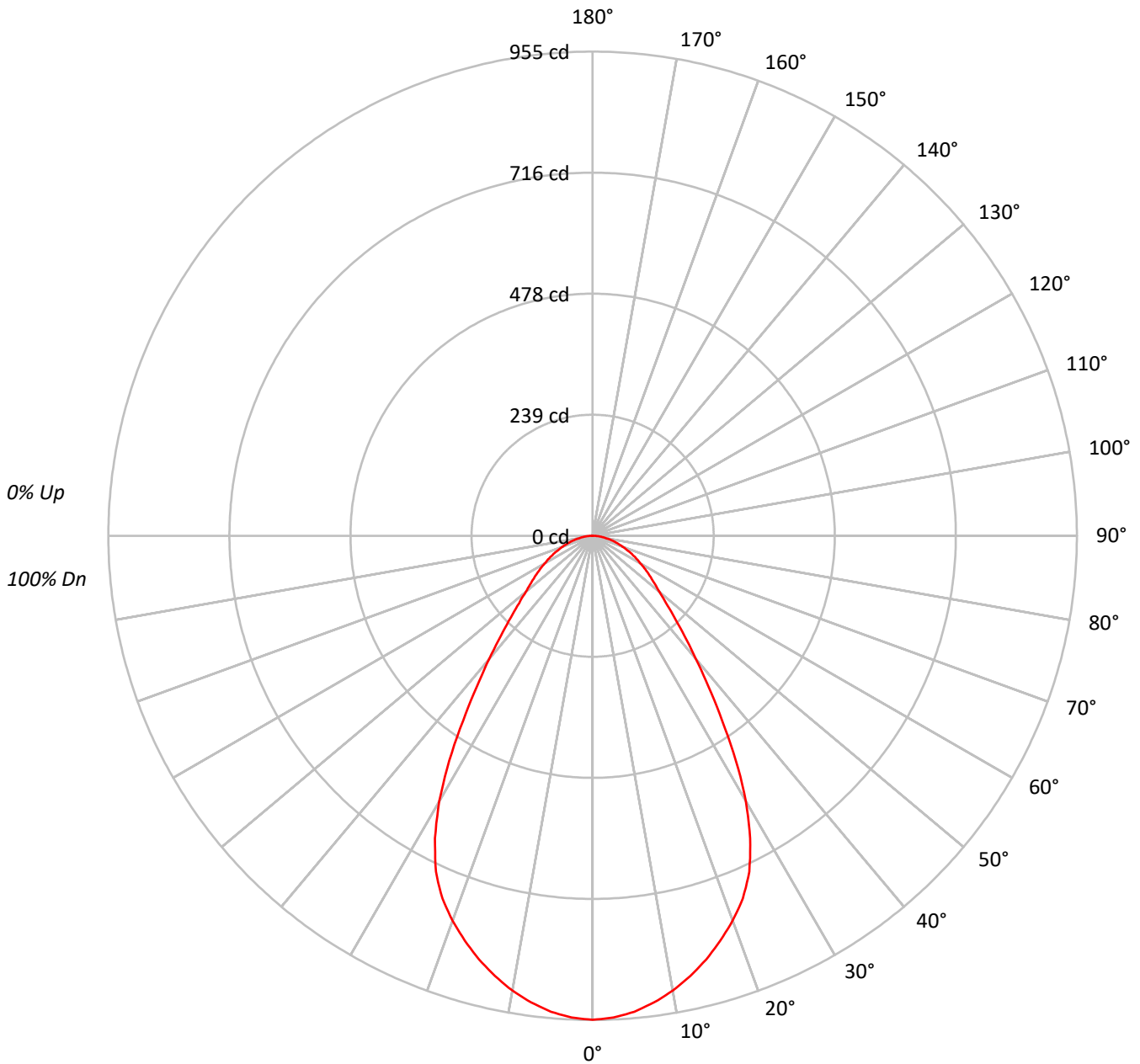
Input Watts (W): 14.39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	62285
5°	61718
10°	60358
15°	58437
20°	56084
25°	52643
30°	45554
35°	35473
40°	26963
45°	21018
50°	17427
55°	15640
60°	14249
65°	13137
70°	12075
75°	11192
80°	10106
85°	9282



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.9	6.4
10°-20°	243.1	17.5
20°-30°	331.1	23.8
30°-40°	280.2	20.1
40°-50°	179.7	12.9
50°-60°	123.7	8.9
60°-70°	84.5	6.1
70°-80°	47.0	3.4
80°-90°	13.8	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°	663.1	47.6
0°-40°	943.3	67.8
0°-60°	1246.7	89.6
0°-90°	1392.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1392.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	955	
5°	942	89
15°	865	243
25°	731	331
35°	445	280
45°	228	180
55°	138	124
65°	85	84
75°	44	47
85°	12	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	954.7
2.5°	951.1
5°	942.4
7.5°	928.5
10°	911.1
12.5°	889.3
15°	865.2
17.5°	837.6
20°	807.8
22.5°	774.3
25°	731.3
27.5°	673.1
30°	604.7
32.5°	526.1
35°	445.4
37.5°	374.8
40°	316.6
42.5°	267.8
45°	227.8
47.5°	196.5
50°	171.7
52.5°	152.8
55°	137.5
57.5°	123.0
60°	109.2
62.5°	96.8
65°	85.1
67.5°	73.5
70°	63.3
72.5°	53.1
75°	44.4
77.5°	35.7
80°	26.9
82.5°	19.6
85°	12.4
87.5°	5.1
90°	0.0



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— 0°-180°







(END OF REPORT)