

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: P252773

Luminaire Tested: **LD6B15D010 EU6B10209035 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252773  
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 EU6B10209035 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1616.0 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

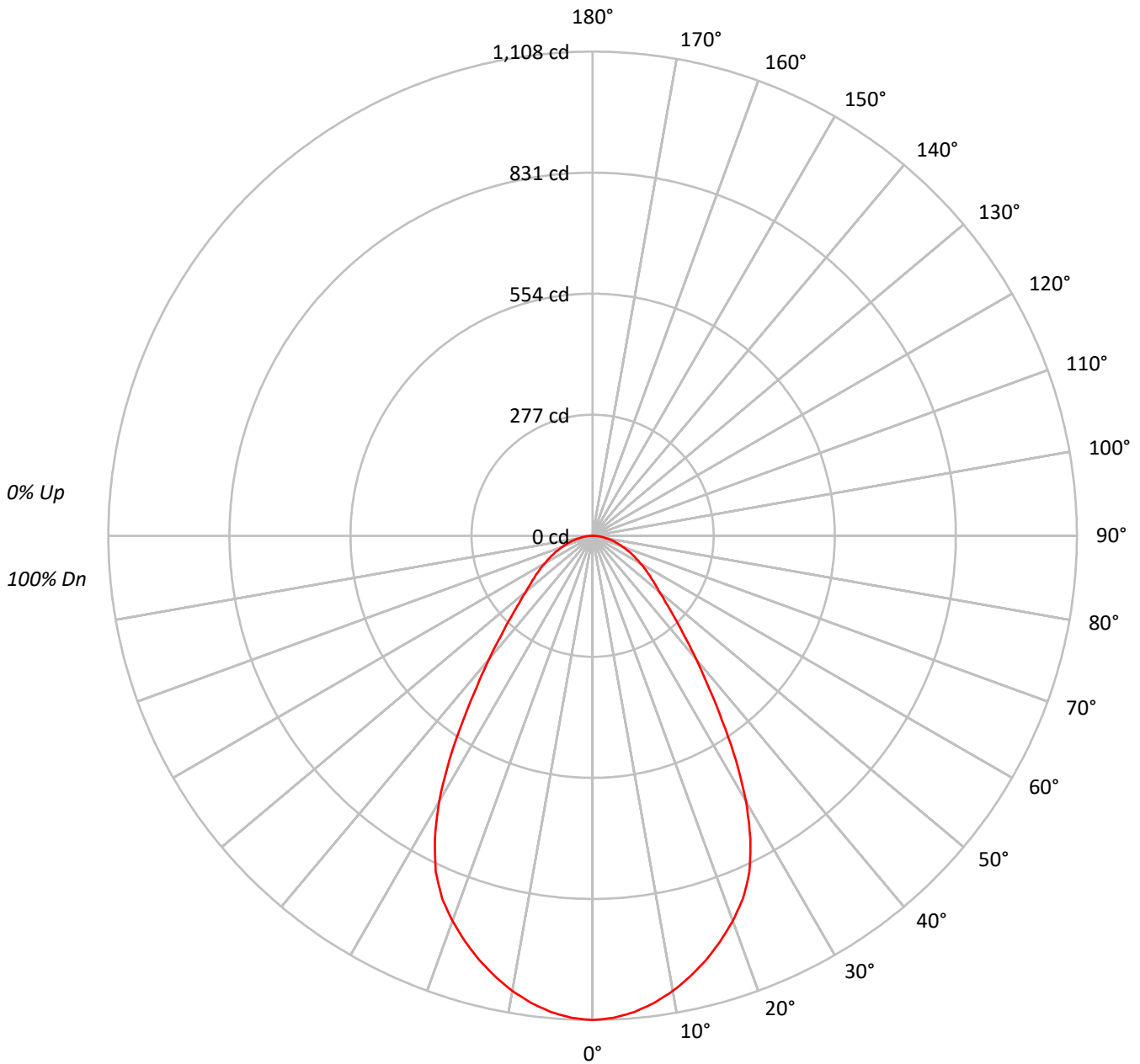
Input Watts (W): 14.39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	72313
5°	71646
10°	70070
15°	67846
20°	65102
25°	61115
30°	52884
35°	41176
40°	31298
45°	24395
50°	20238
55°	18165
60°	16532
65°	15252
70°	14020
75°	12982
80°	11760
85°	10779



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.3	6.4
10°-20°	282.2	17.5
20°-30°	384.4	23.8
30°-40°	325.3	20.1
40°-50°	208.7	12.9
50°-60°	143.6	8.9
60°-70°	98.1	6.1
70°-80°	54.6	3.4
80°-90°	16.0	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°	769.9	47.6
0°-40°	1095.1	67.8
0°-60°	1447.4	89.6
0°-90°	1616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1616.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1108	
5°	1094	103
15°	1004	282
25°	849	384
35°	517	325
45°	264	209
55°	160	144
65°	99	98
75°	52	55
85°	14	16
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1108.4
2.5°	1104.2
5°	1094.0
7.5°	1078.0
10°	1057.7
12.5°	1032.4
15°	1004.5
17.5°	972.4
20°	937.7
22.5°	898.9
25°	849.0
27.5°	781.4
30°	702.0
32.5°	610.8
35°	517.0
37.5°	435.1
40°	367.5
42.5°	310.9
45°	264.4
47.5°	228.1
50°	199.4
52.5°	177.4
55°	159.7
57.5°	142.8
60°	126.7
62.5°	112.4
65°	98.8
67.5°	85.3
70°	73.5
72.5°	61.7
75°	51.5
77.5°	41.4
80°	31.3
82.5°	22.8
85°	14.4
87.5°	5.9
90°	0.0



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— 0°-180°







(END OF REPORT)