

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: P252805

Luminaire Tested: **LD6B40D010 EU6B30508030 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252805  
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: LD6B40D010 EU6B30508030 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5314.9 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

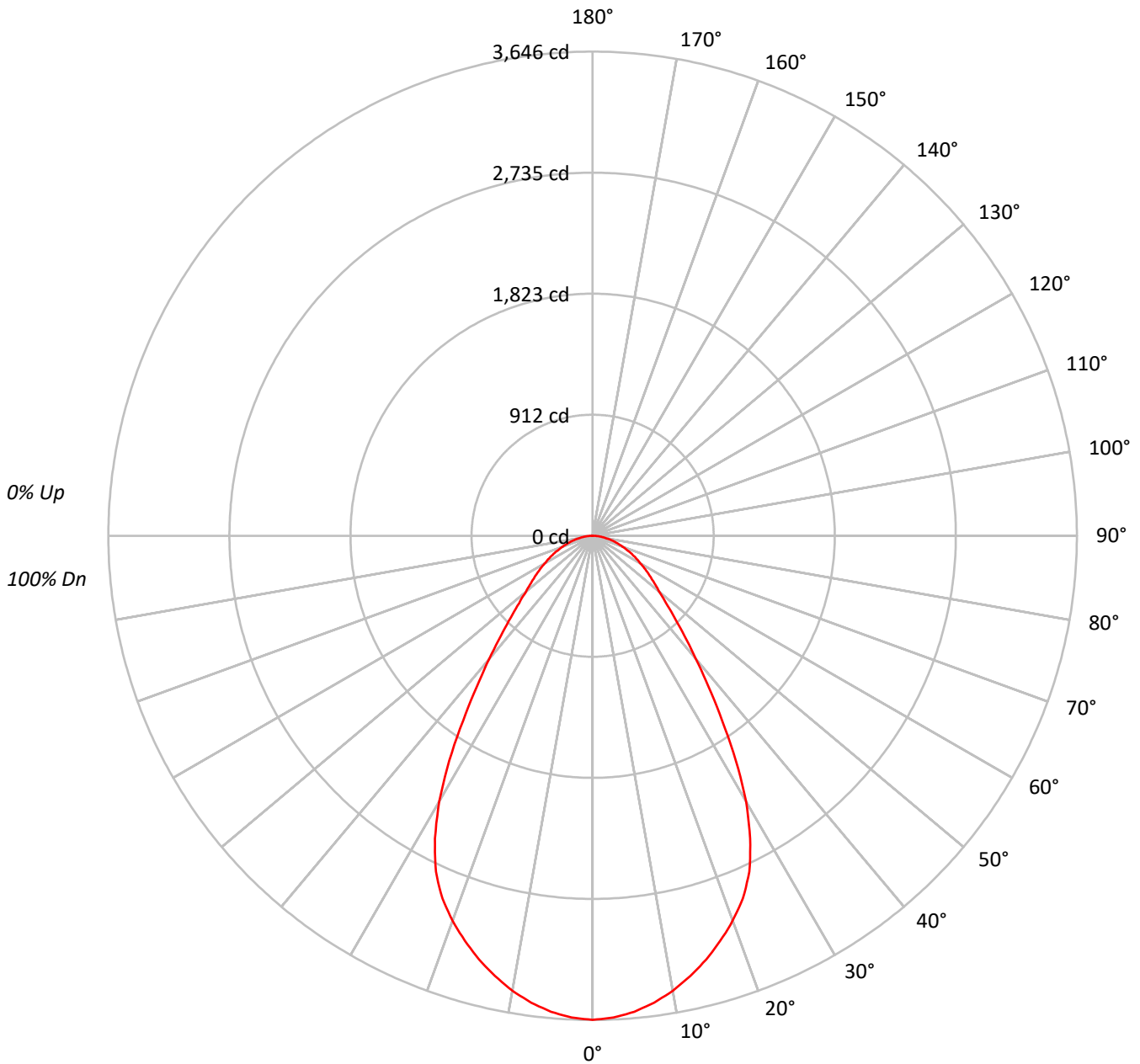
Input Watts (W): 43.02  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	237835
5°	235646
10°	230454
15°	223139
20°	214129
25°	201011
30°	173945
35°	135435
40°	102940
45°	80242
50°	66551
55°	59727
60°	54385
65°	50186
70°	46104
75°	42726
80°	38623
85°	35332



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	339.6	6.4
10°-20°	928.2	17.5
20°-30°	1264.2	23.8
30°-40°	1069.8	20.1
40°-50°	686.3	12.9
50°-60°	472.2	8.9
60°-70°	322.6	6.1
70°-80°	179.5	3.4
80°-90°	52.5	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°	2532.1	47.6
0°-40°	3601.9	67.8
0°-60°	4760.4	89.6
0°-90°	5314.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5314.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3646	
5°	3598	340
15°	3304	928
25°	2792	1264
35°	1700	1070
45°	870	686
55°	525	472
65°	325	323
75°	170	179
85°	47	53
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3645.5
2.5°	3631.6
5°	3598.2
7.5°	3545.4
10°	3478.7
12.5°	3395.4
15°	3303.7
17.5°	3198.1
20°	3084.2
22.5°	2956.4
25°	2792.4
27.5°	2570.2
30°	2309.0
32.5°	2008.9
35°	1700.5
37.5°	1431.0
40°	1208.7
42.5°	1022.5
45°	869.7
47.5°	750.2
50°	655.7
52.5°	583.5
55°	525.1
57.5°	469.6
60°	416.8
62.5°	369.5
65°	325.1
67.5°	280.6
70°	241.7
72.5°	202.8
75°	169.5
77.5°	136.1
80°	102.8
82.5°	75.0
85°	47.2
87.5°	19.4
90°	0.0



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— 0°-180°







(END OF REPORT)