

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: P252806

Luminaire Tested: **LD6B40D010 EU6B30508035 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252806  
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 EU6B30508035 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5447.0 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

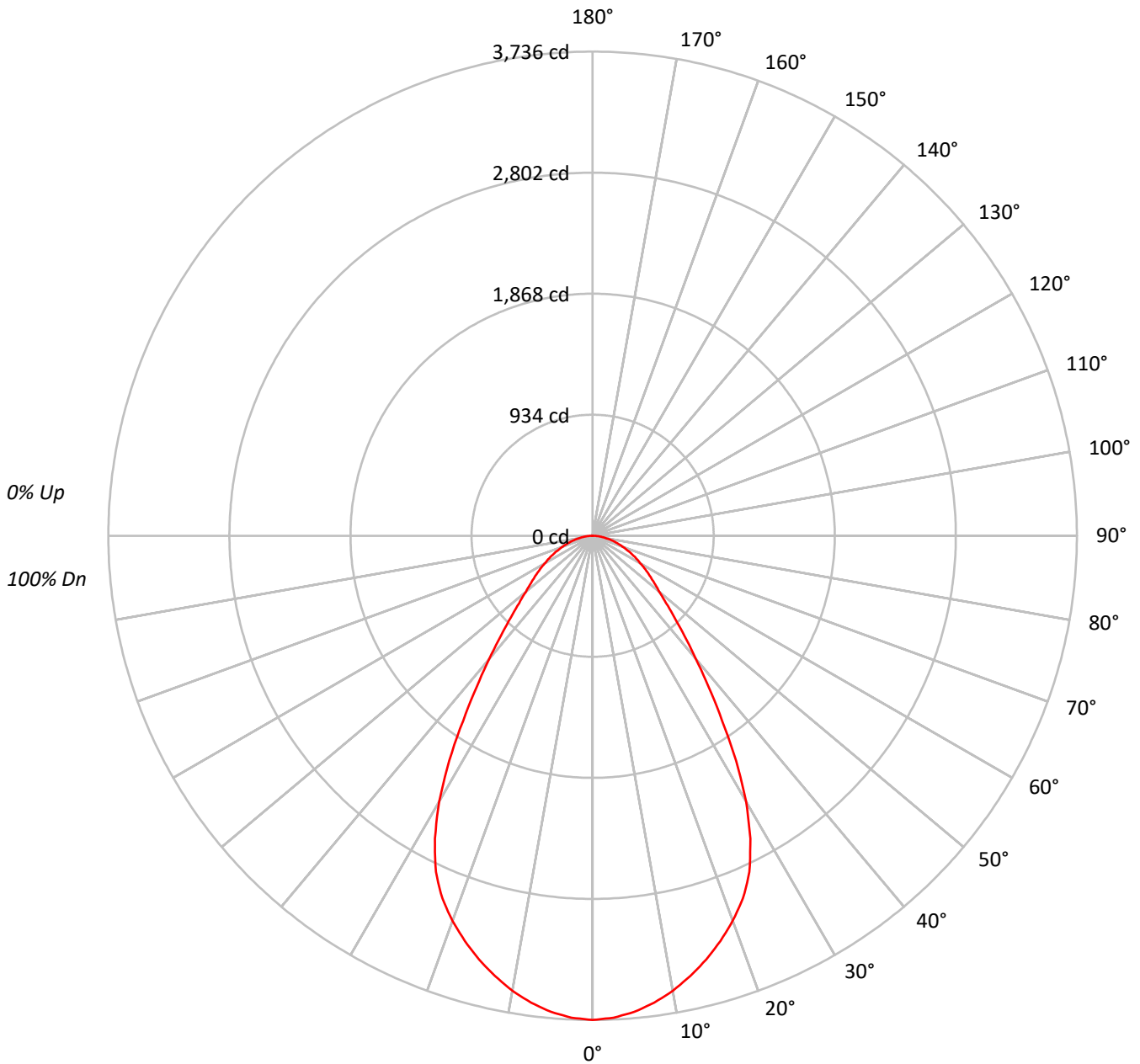
Input Watts (W): 43.02  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	243739
5°	241500
10°	236177
15°	228677
20°	219447
25°	206007
30°	178261
35°	138796
40°	105495
45°	82235
50°	68206
55°	61217
60°	55729
65°	51437
70°	47249
75°	43785
80°	39599
85°	36230



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.1	6.4
10°-20°	951.3	17.5
20°-30°	1295.6	23.8
30°-40°	1096.3	20.1
40°-50°	703.3	12.9
50°-60°	484.0	8.9
60°-70°	330.6	6.1
70°-80°	184.0	3.4
80°-90°	53.8	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°	2595.0	47.6
0°-40°	3691.3	67.8
0°-60°	4878.5	89.6
0°-90°	5447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5447.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3736	
5°	3688	348
15°	3386	951
25°	2862	1296
35°	1743	1096
45°	891	703
55°	538	484
65°	333	331
75°	174	184
85°	48	54
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3736.0
2.5°	3721.8
5°	3687.6
7.5°	3633.5
10°	3565.1
12.5°	3479.7
15°	3385.7
17.5°	3277.5
20°	3160.8
22.5°	3029.8
25°	2861.8
27.5°	2634.0
30°	2366.3
32.5°	2058.8
35°	1742.7
37.5°	1466.5
40°	1238.7
42.5°	1047.9
45°	891.3
47.5°	768.8
50°	672.0
52.5°	598.0
55°	538.2
57.5°	481.2
60°	427.1
62.5°	378.7
65°	333.2
67.5°	287.6
70°	247.7
72.5°	207.9
75°	173.7
77.5°	139.5
80°	105.4
82.5°	76.9
85°	48.4
87.5°	19.9
90°	0.0



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— 0°-180°







(END OF REPORT)