

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: P252845

Luminaire Tested: **LD6B70D010TE EU6B60708035 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252845  
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: LD6B70D010TE EU6B60708035 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**

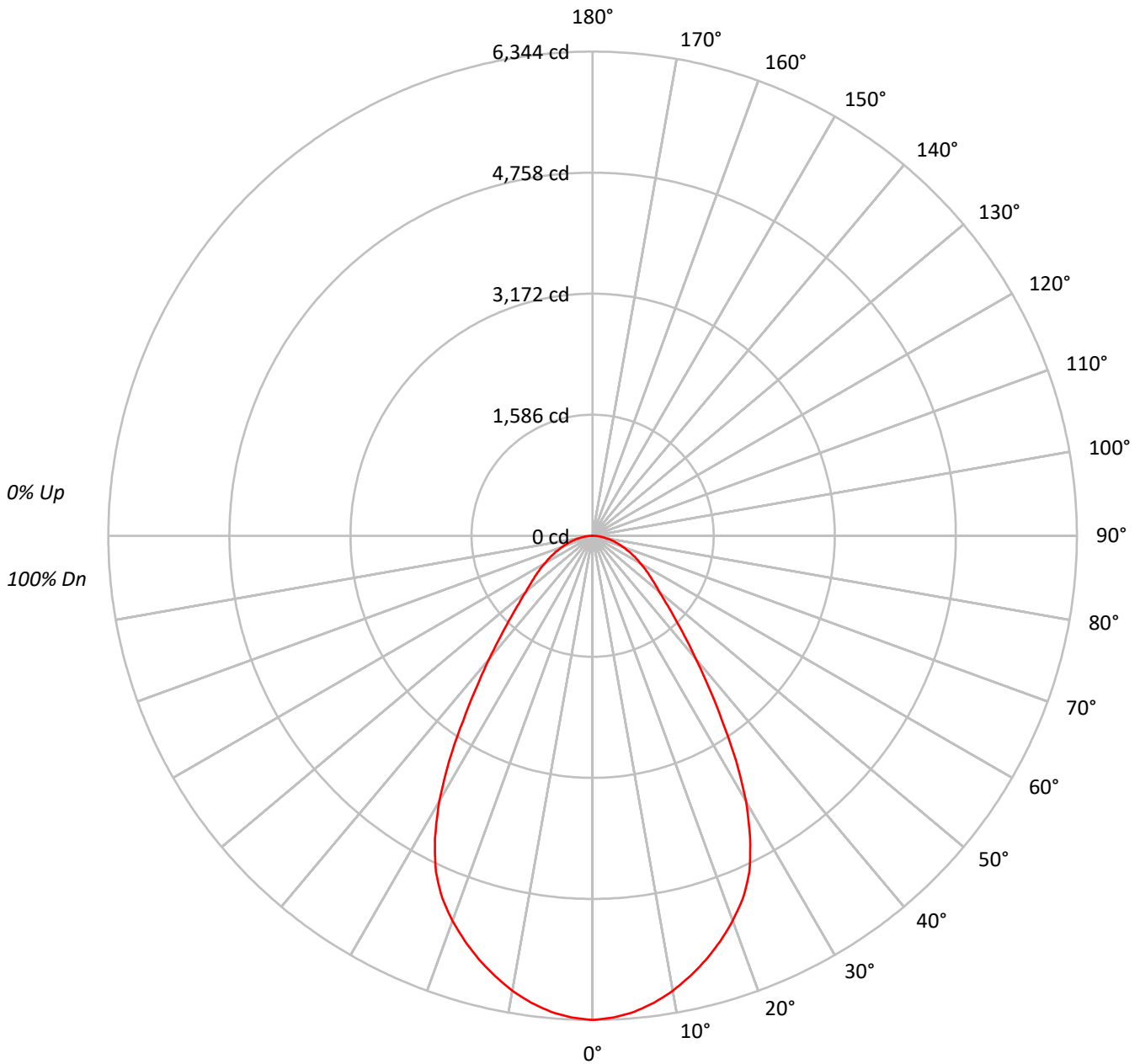
Lumens per Lamp: N/A  
Luminaire Lumens: 9248.9 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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									
RC	80									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°	413867
5°	410065
10°	401033
15°	388299
20°	372618
25°	349797
30°	302690
35°	235675
40°	179129
45°	139633
50°	115818
55°	103939
60°	94638
65°	87329
70°	80249
75°	74336
80°	67214
85°	61531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	591.0	6.4
10°-20°	1615.3	17.5
20°-30°	2199.9	23.8
30°-40°	1861.6	20.1
40°-50°	1194.2	12.9
50°-60°	821.8	8.9
60°-70°	561.4	6.1
70°-80°	312.4	3.4
80°-90°	91.4	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°	4406.2	47.6
0°-40°	6267.8	67.8
0°-60°	8283.8	89.6
0°-90°	9248.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9248.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6344	
5°	6262	591
15°	5749	1615
25°	4859	2200
35°	2959	1862
45°	1513	1194
55°	914	822
65°	566	561
75°	295	312
85°	82	91
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6343.7
2.5°	6319.5
5°	6261.5
7.5°	6169.6
10°	6053.6
12.5°	5908.5
15°	5749.0
17.5°	5565.3
20°	5367.0
22.5°	5144.6
25°	4859.3
27.5°	4472.5
30°	4018.0
32.5°	3495.8
35°	2959.1
37.5°	2490.1
40°	2103.3
42.5°	1779.3
45°	1513.4
47.5°	1305.5
50°	1141.1
52.5°	1015.4
55°	913.8
57.5°	817.1
60°	725.3
62.5°	643.1
65°	565.7
67.5°	488.3
70°	420.7
72.5°	353.0
75°	294.9
77.5°	236.9
80°	178.9
82.5°	130.5
85°	82.2
87.5°	33.8
90°	0.0



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— 0°-180°







(END OF REPORT)