

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: P252848

Luminaire Tested: **LD6B70D010TE EU6B60709024 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252848  
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 EU6B60709024 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6516.0 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

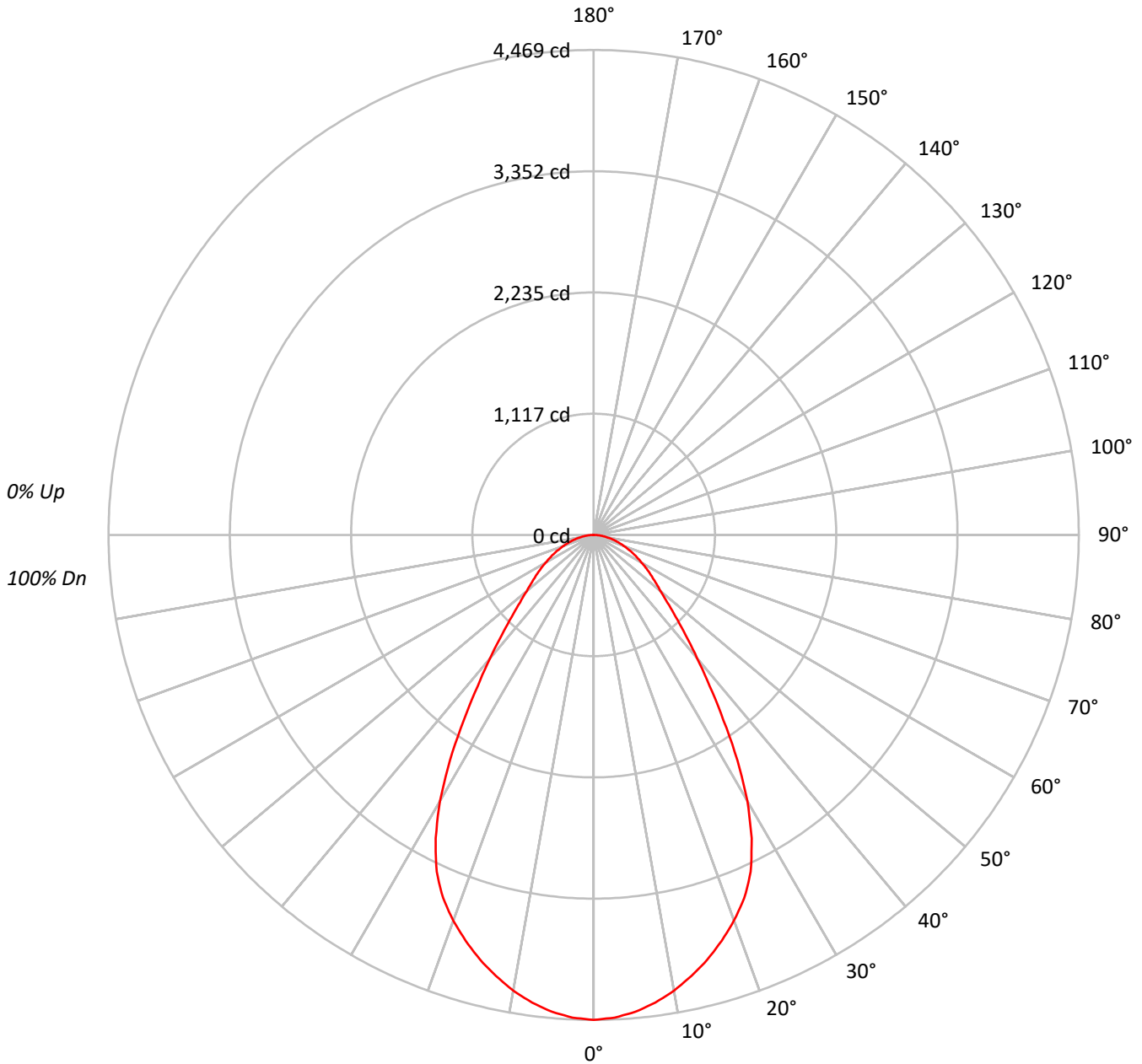
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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°	291573
5°	288895
10°	282530
15°	273559
20°	262513
25°	246434
30°	213246
35°	166034
40°	126198
45°	98372
50°	81593
55°	73228
60°	66676
65°	61517
70°	56539
75°	52380
80°	47339
85°	43341



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.4	6.4
10°-20°	1138.0	17.5
20°-30°	1549.9	23.8
30°-40°	1311.5	20.1
40°-50°	841.3	12.9
50°-60°	579.0	8.9
60°-70°	395.5	6.1
70°-80°	220.1	3.4
80°-90°	64.4	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°	3104.2	47.6
0°-40°	4415.7	67.8
0°-60°	5836.0	89.6
0°-90°	6516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6516.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4469	
5°	4411	416
15°	4050	1138
25°	3423	1550
35°	2085	1311
45°	1066	841
55°	644	579
65°	398	396
75°	208	220
85°	58	64
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4469.2
2.5°	4452.2
5°	4411.3
7.5°	4346.6
10°	4264.8
12.5°	4162.6
15°	4050.2
17.5°	3920.8
20°	3781.1
22.5°	3624.4
25°	3423.4
27.5°	3150.9
30°	2830.7
32.5°	2462.8
35°	2084.7
37.5°	1754.3
40°	1481.8
42.5°	1253.6
45°	1066.2
47.5°	919.7
50°	803.9
52.5°	715.3
55°	643.8
57.5°	575.7
60°	511.0
62.5°	453.1
65°	398.5
67.5°	344.0
70°	296.4
72.5°	248.7
75°	207.8
77.5°	166.9
80°	126.0
82.5°	92.0
85°	57.9
87.5°	23.8
90°	0.0



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— 0°-180°







(END OF REPORT)