

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: P252855

Luminaire Tested: **LD6B70D010TE EU6B60709730 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252855  
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 EU6B60709730 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6732.0 lumens  
Efficiency: N/A  
Efficacy: 84.7 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

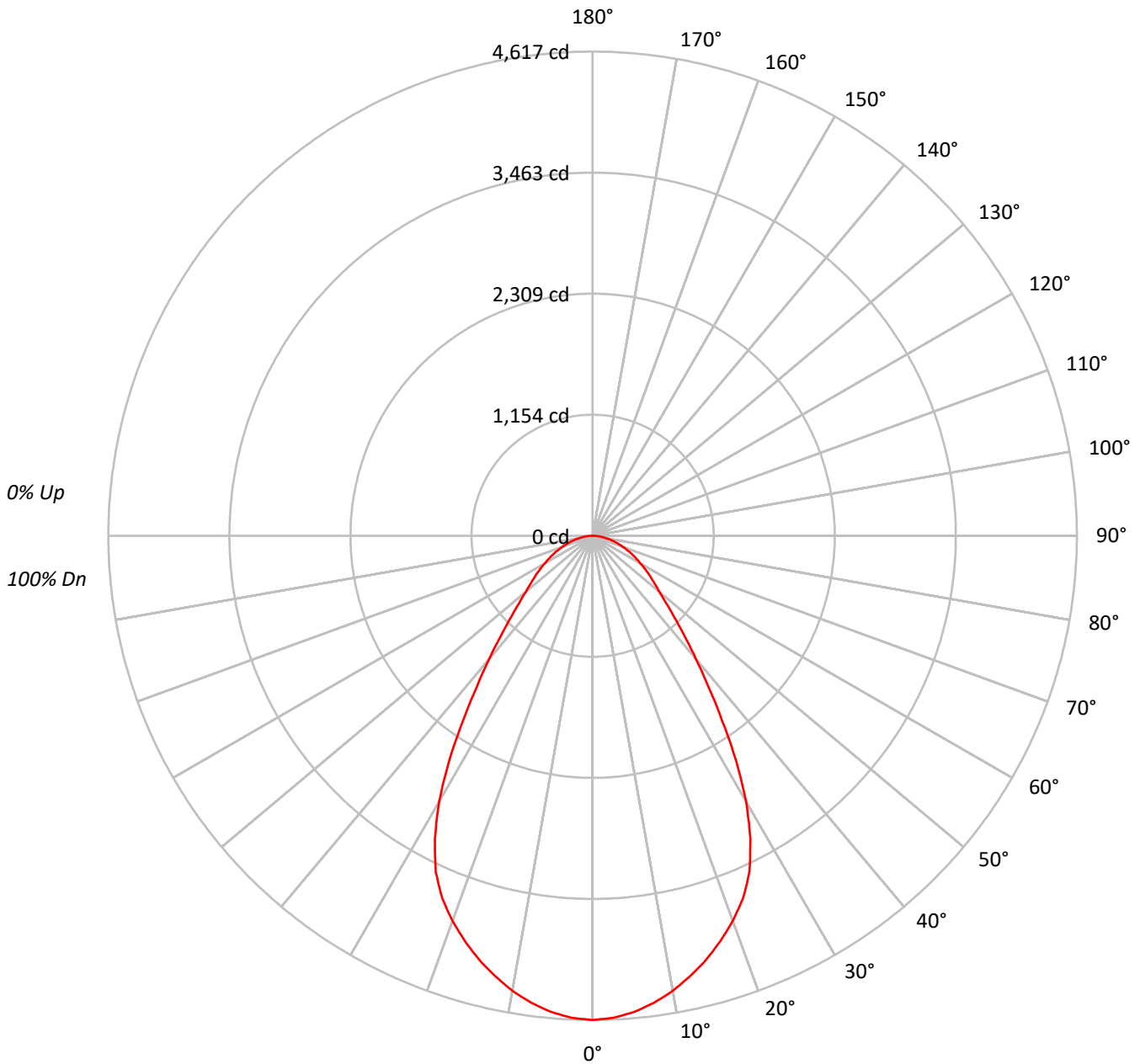
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	301242
5°	298470
10°	291898
15°	282630
20°	271212
25°	254604
30°	220320
35°	171537
40°	130380
45°	101629
50°	84303
55°	75662
60°	68881
65°	63571
70°	58408
75°	54120
80°	48917
85°	44763



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.2	6.4
10°-20°	1175.7	17.5
20°-30°	1601.3	23.8
30°-40°	1355.0	20.1
40°-50°	869.2	12.9
50°-60°	598.2	8.9
60°-70°	408.7	6.1
70°-80°	227.4	3.4
80°-90°	66.5	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°	3207.1	47.6
0°-40°	4562.1	67.8
0°-60°	6029.5	89.6
0°-90°	6732.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6732.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4617	
5°	4558	430
15°	4184	1176
25°	3537	1601
35°	2154	1355
45°	1102	869
55°	665	598
65°	412	409
75°	215	227
85°	60	67
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4617.4
2.5°	4599.8
5°	4557.5
7.5°	4490.7
10°	4406.2
12.5°	4300.6
15°	4184.5
17.5°	4050.7
20°	3906.4
22.5°	3744.6
25°	3536.9
27.5°	3255.4
30°	2924.6
32.5°	2544.5
35°	2153.8
37.5°	1812.5
40°	1530.9
42.5°	1295.1
45°	1101.5
47.5°	950.2
50°	830.6
52.5°	739.1
55°	665.2
57.5°	594.8
60°	527.9
62.5°	468.1
65°	411.8
67.5°	355.5
70°	306.2
72.5°	256.9
75°	214.7
77.5°	172.4
80°	130.2
82.5°	95.0
85°	59.8
87.5°	24.6
90°	0.0



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— 0°-180°







(END OF REPORT)