

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: P252757

Luminaire Tested: **LD6B10D010 EU6B10209024 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252757  
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: LD6B10D010 EU6B10209024 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: 977.0 lumens  
Efficiency: N/A  
Efficacy: 97.2 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

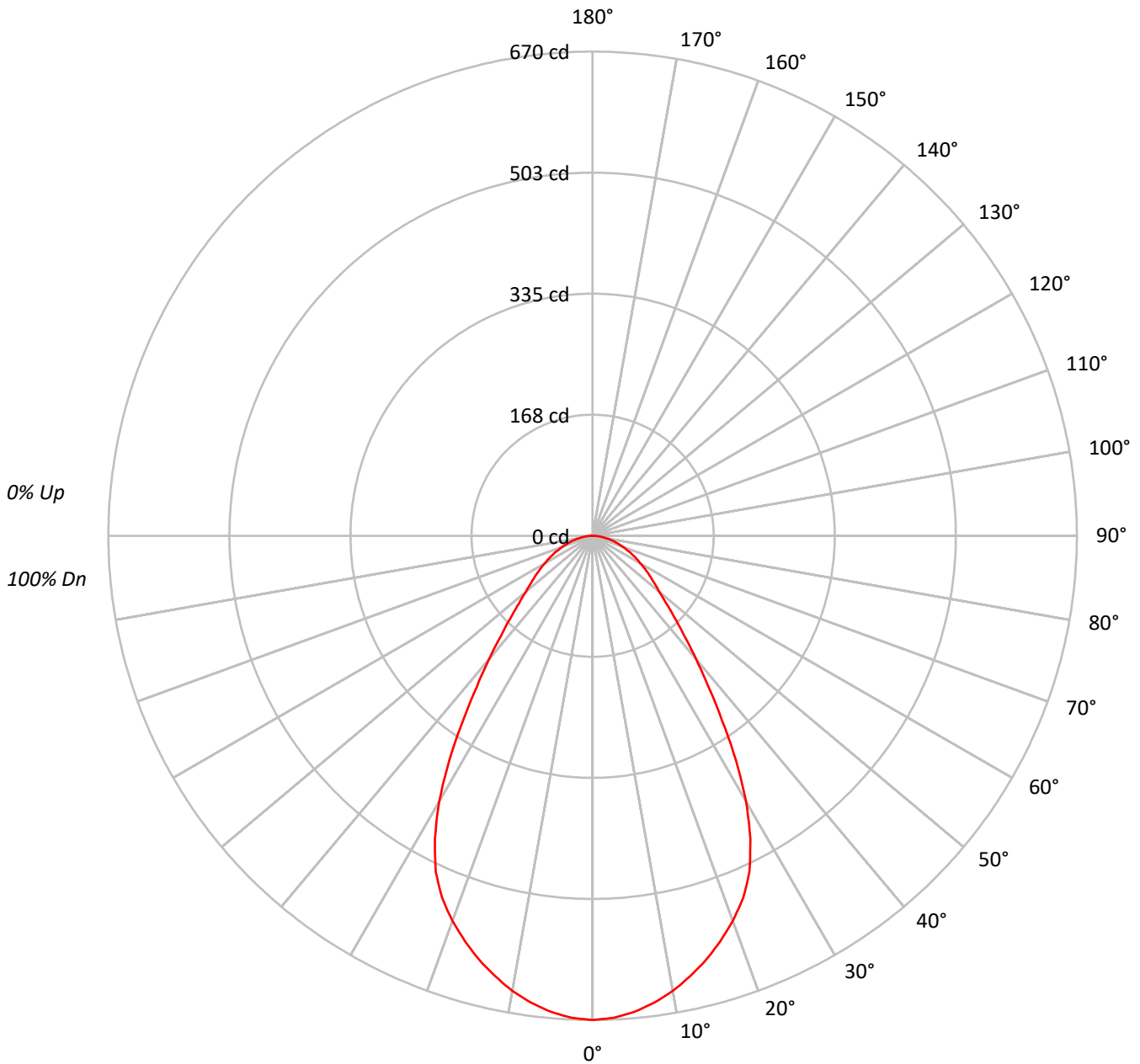
Input Watts (W): 10.05  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69				69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62				62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47				47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	43718
5°	43315
10°	42365
15°	41018
20°	39359
25°	36950
30°	31971
35°	24897
40°	18924
45°	14753
50°	12230
55°	10976
60°	9995
65°	9231
70°	8469
75°	7865
80°	7101
85°	6512



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.4	6.4
10°-20°	170.6	17.5
20°-30°	232.4	23.8
30°-40°	196.6	20.1
40°-50°	126.2	12.9
50°-60°	86.8	8.9
60°-70°	59.3	6.1
70°-80°	33.0	3.4
80°-90°	9.7	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°	465.4	47.6
0°-40°	662.1	67.8
0°-60°	875.0	89.6
0°-90°	977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	977.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	670	
5°	661	62
15°	607	171
25°	513	232
35°	313	197
45°	160	126
55°	96	87
65°	60	59
75°	31	33
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	670.1
2.5°	667.6
5°	661.4
7.5°	651.7
10°	639.5
12.5°	624.1
15°	607.3
17.5°	587.9
20°	566.9
22.5°	543.4
25°	513.3
27.5°	472.4
30°	424.4
32.5°	369.3
35°	312.6
37.5°	263.0
40°	222.2
42.5°	188.0
45°	159.9
47.5°	137.9
50°	120.5
52.5°	107.3
55°	96.5
57.5°	86.3
60°	76.6
62.5°	67.9
65°	59.8
67.5°	51.6
70°	44.4
72.5°	37.3
75°	31.2
77.5°	25.0
80°	18.9
82.5°	13.8
85°	8.7
87.5°	3.6
90°	0.0



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— 0°-180°







(END OF REPORT)