

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: P252752

Luminaire Tested: **LD6B10D010 EU6B10208027 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252752  
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 EU6B10208027 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1294.0 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

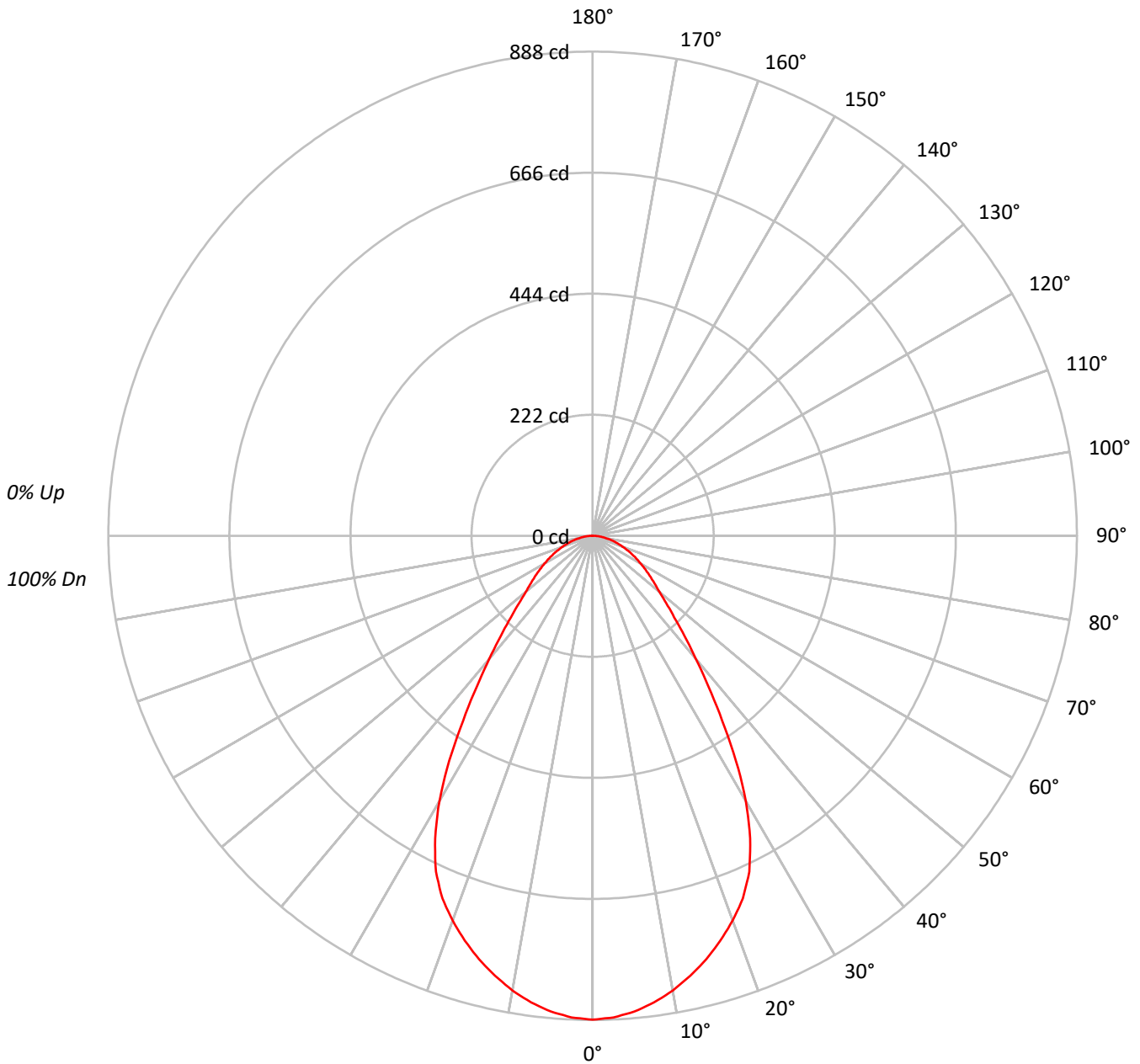
Input Watts (W): 10.05  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P252752

CATALOG NUMBER: LD6B10D010 EU6B10208027 6LBBA1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P252752

CATALOG NUMBER: LD6B10D010 EU6B10208027 6LBBA1MW

**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°	57901
5°	57369
10°	56105
15°	54324
20°	52133
25°	48943
30°	42345
35°	32973
40°	25064
45°	19532
50°	16199
55°	14548
60°	13244
65°	12211
70°	11235
75°	10411
80°	9393
85°	8608



TEST NUMBER: P252752

CATALOG NUMBER: LD6B10D010 EU6B10208027 6LBBA1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.7	6.4
10°-20°	226.0	17.5
20°-30°	307.8	23.8
30°-40°	260.4	20.1
40°-50°	167.1	12.9
50°-60°	115.0	8.9
60°-70°	78.5	6.1
70°-80°	43.7	3.4
80°-90°	12.8	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°	616.5	47.6
0°-40°	876.9	67.8
0°-60°	1158.9	89.6
0°-90°	1294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1294.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	888	
5°	876	83
15°	804	226
25°	680	308
35°	414	260
45°	212	167
55°	128	115
65°	79	79
75°	41	44
85°	12	13
90°	0	



TEST NUMBER: P252752

CATALOG NUMBER: LD6B10D010 EU6B10208027 6LBBA1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	887.5
2.5°	884.1
5°	876.0
7.5°	863.2
10°	846.9
12.5°	826.6
15°	804.3
17.5°	778.6
20°	750.9
22.5°	719.8
25°	679.9
27.5°	625.7
30°	562.1
32.5°	489.1
35°	414.0
37.5°	348.4
40°	294.3
42.5°	248.9
45°	211.7
47.5°	182.6
50°	159.6
52.5°	142.1
55°	127.9
57.5°	114.3
60°	101.5
62.5°	90.0
65°	79.1
67.5°	68.3
70°	58.9
72.5°	49.4
75°	41.3
77.5°	33.1
80°	25.0
82.5°	18.3
85°	11.5
87.5°	4.7
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)