

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: P252815

Luminaire Tested: **LD6B40D010 EU6B30509727 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252815  
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: LD6B40D010 EU6B30509727 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3796.0 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

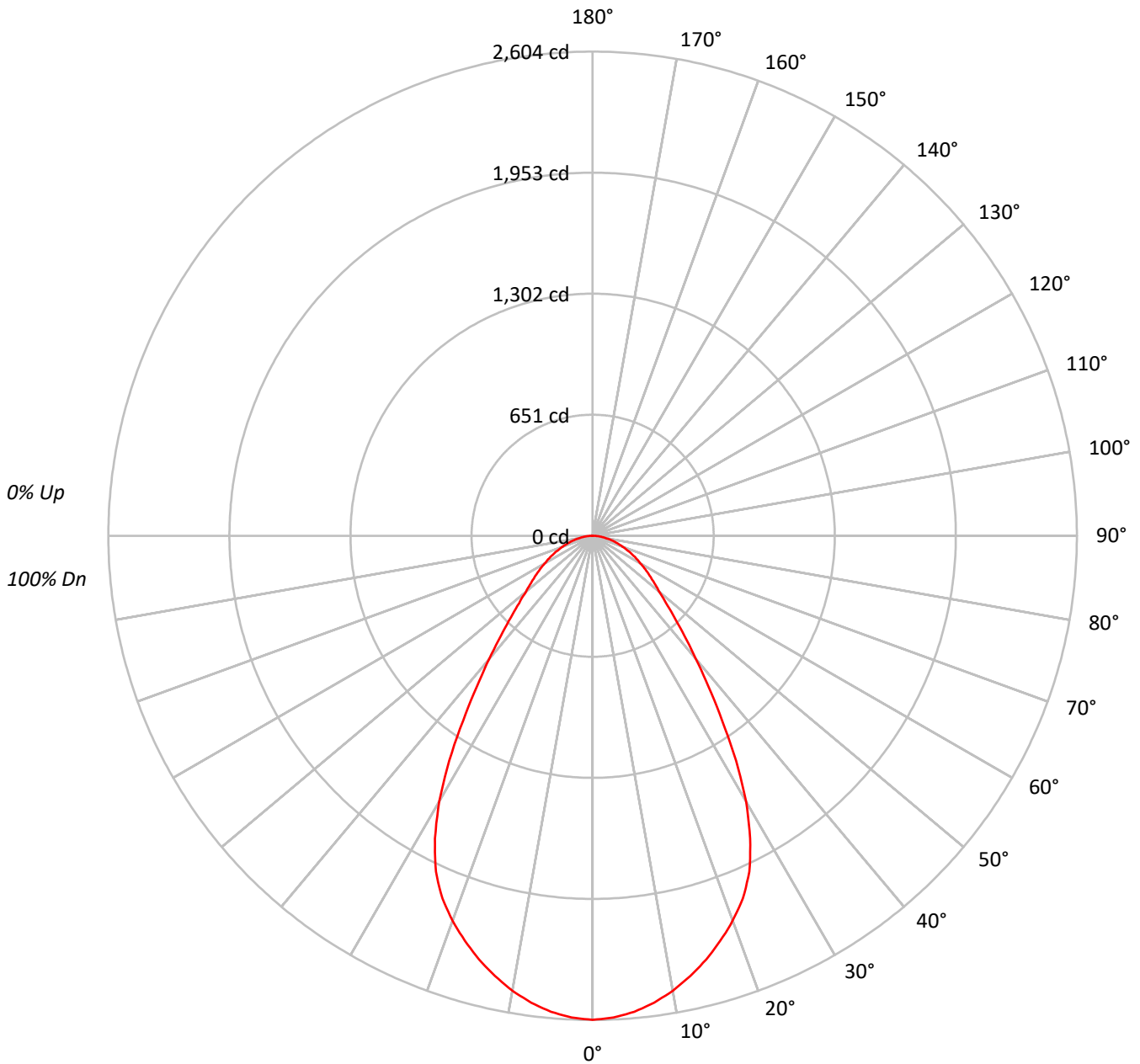
Input Watts (W): 43.02  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P252815

CATALOG NUMBER: LD6B40D010 EU6B30509727 6LBBA1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P252815

CATALOG NUMBER: LD6B40D010 EU6B30509727 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°	169860
5°	168302
10°	164591
15°	159366
20°	152928
25°	143567
30°	124232
35°	96728
40°	73515
45°	57305
50°	47531
55°	42665
60°	38844
65°	35845
70°	32924
75°	30526
80°	27577
85°	25226



TEST NUMBER: P252815

CATALOG NUMBER: LD6B40D010 EU6B30509727 6LBBA1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.6	6.4
10°-20°	662.9	17.5
20°-30°	902.9	23.8
30°-40°	764.0	20.1
40°-50°	490.1	12.9
50°-60°	337.3	8.9
60°-70°	230.4	6.1
70°-80°	128.2	3.4
80°-90°	37.5	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°	1808.4	47.6
0°-40°	2572.5	67.8
0°-60°	3399.9	89.6
0°-90°	3796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3796.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2604	
5°	2570	243
15°	2360	663
25°	1994	903
35°	1214	764
45°	621	490
55°	375	337
65°	232	230
75°	121	128
85°	34	38
90°	0	



TEST NUMBER: P252815

CATALOG NUMBER: LD6B40D010 EU6B30509727 6LBBA1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2603.6
2.5°	2593.7
5°	2569.9
7.5°	2532.2
10°	2484.5
12.5°	2425.0
15°	2359.5
17.5°	2284.1
20°	2202.7
22.5°	2111.5
25°	1994.4
27.5°	1835.6
30°	1649.1
32.5°	1434.8
35°	1214.5
37.5°	1022.0
40°	863.2
42.5°	730.3
45°	621.1
47.5°	535.8
50°	468.3
52.5°	416.7
55°	375.1
57.5°	335.4
60°	297.7
62.5°	263.9
65°	232.2
67.5°	200.4
70°	172.6
72.5°	144.9
75°	121.1
77.5°	97.2
80°	73.4
82.5°	53.6
85°	33.7
87.5°	13.9
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)