

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: P252808

Luminaire Tested: **LD6B40D010 EU6B30508050 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252808  
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 EU6B30508050 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5502.0 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

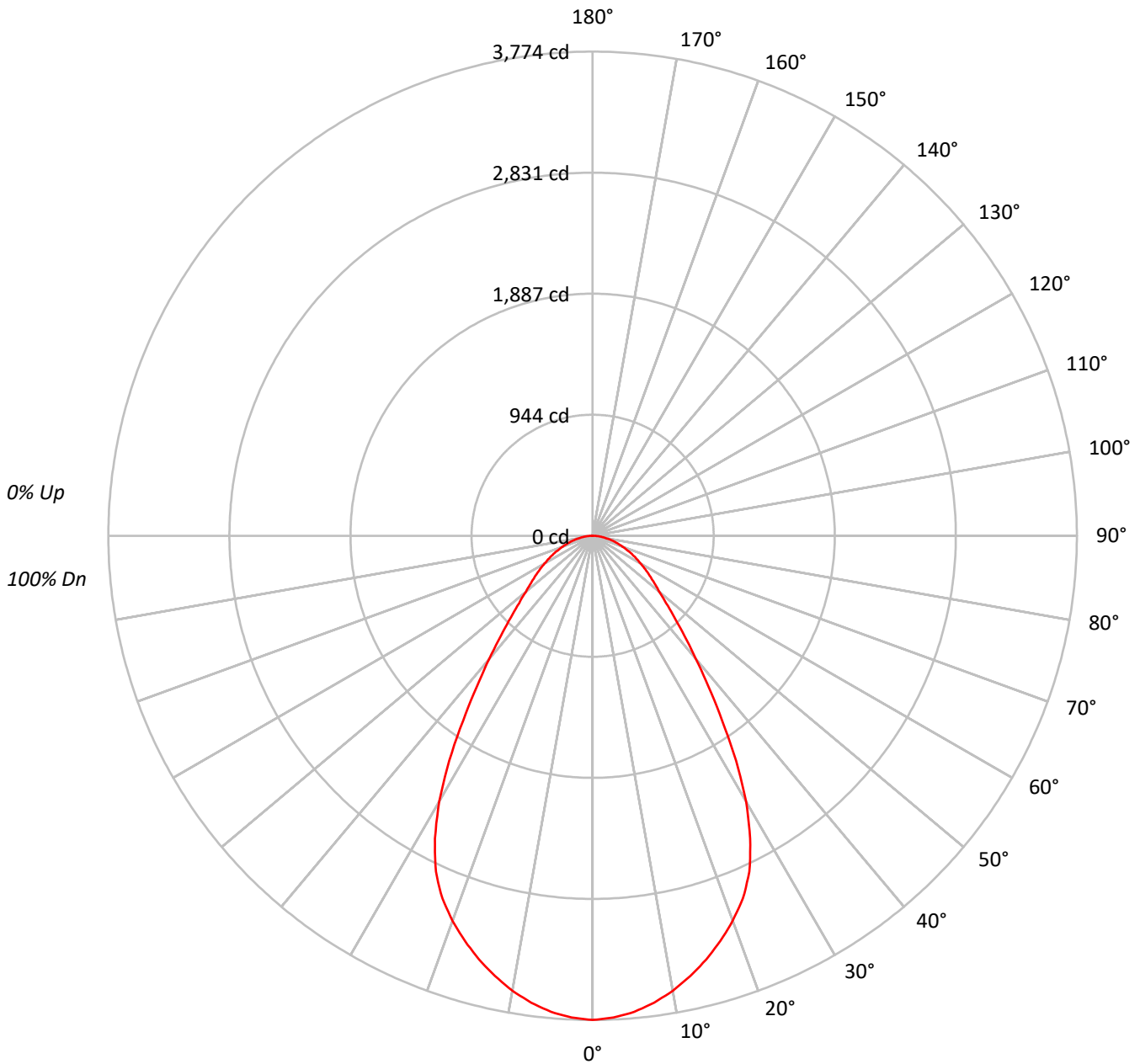
Input Watts (W): 43.02  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P252808

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBBA1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P252808

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBBA1MW

**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°	246199
5°	243937
10°	238562
15°	230987
20°	221662
25°	208087
30°	180062
35°	140198
40°	106559
45°	83065
50°	68896
55°	61831
60°	56290
65°	51946
70°	47726
75°	44238
80°	39975
85°	36604



TEST NUMBER: P252808

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBBA1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.6	6.4
10°-20°	960.9	17.5
20°-30°	1308.7	23.8
30°-40°	1107.4	20.1
40°-50°	710.4	12.9
50°-60°	488.8	8.9
60°-70°	333.9	6.1
70°-80°	185.8	3.4
80°-90°	54.4	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°	2621.2	47.6
0°-40°	3728.6	67.8
0°-60°	4927.8	89.6
0°-90°	5502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5502.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3774	
5°	3725	352
15°	3420	961
25°	2891	1309
35°	1760	1107
45°	900	710
55°	544	489
65°	336	334
75°	176	186
85°	49	54
90°	0	



TEST NUMBER: P252808

CATALOG NUMBER: LD6B40D010 EU6B30508050 6LBBA1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3773.7
2.5°	3759.3
5°	3724.8
7.5°	3670.2
10°	3601.1
12.5°	3514.8
15°	3419.9
17.5°	3310.6
20°	3192.7
22.5°	3060.4
25°	2890.7
27.5°	2660.6
30°	2390.2
32.5°	2079.6
35°	1760.3
37.5°	1481.3
40°	1251.2
42.5°	1058.5
45°	900.3
47.5°	776.6
50°	678.8
52.5°	604.0
55°	543.6
57.5°	486.1
60°	431.4
62.5°	382.5
65°	336.5
67.5°	290.5
70°	250.2
72.5°	210.0
75°	175.5
77.5°	140.9
80°	106.4
82.5°	77.7
85°	48.9
87.5°	20.1
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)