

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: P205524

Luminaire Tested: **LD6B40D010 EU6B30508035 6LBMGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P205524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B40D010 EU6B30508035 6LBMGPH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH GRAPHITE HAZE TRIM  
WATTAGE D010TR-43.02 W DE010-42.54 W D5LT-42.539 W DMX-41.87 W DL2-41.57  
W DL3-44.71 W DLE-39.33 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2388.7 lumens  
Efficiency: N/A  
Efficacy: 57.1 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

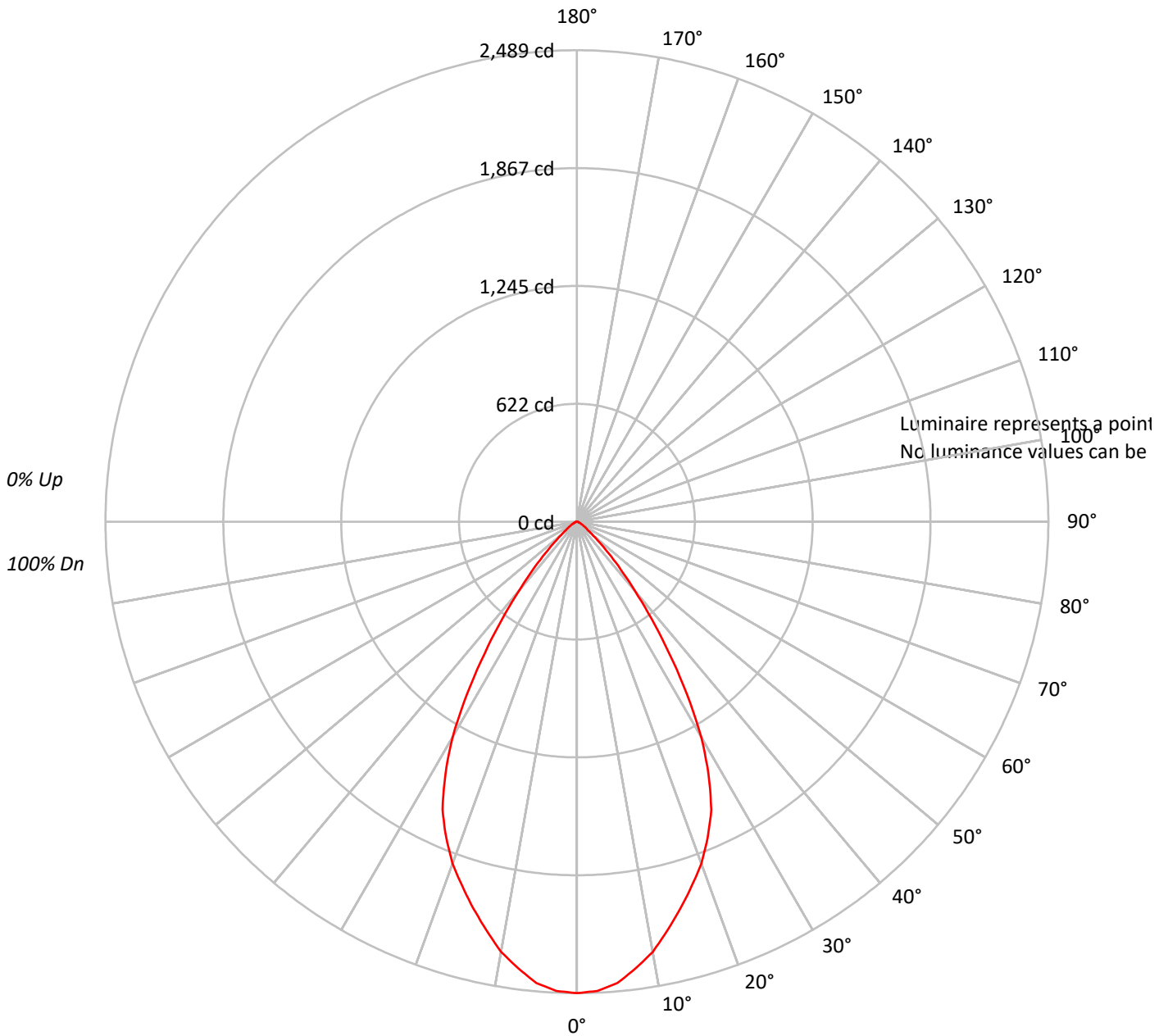
Input Watts (W): 41.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P205524

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBMGPH1

### Luminous Intensity Polar Plot





TEST NUMBER: P205524

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBMGPH1

**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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93			
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86			
3	102	95	90	85	100	93	89	85	91	87	83	88	85	82	86	83	81	79			
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73			
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68			
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59			
8	77	68	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55			
9	74	64	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51			
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48			

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





TEST NUMBER: P205524

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBMGPH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.7	9.6
10°-20°	593.4	24.8
20°-30°	756.0	31.6
30°-40°	534.3	22.4
40°-50°	195.1	8.2
50°-60°	54.1	2.3
60°-70°	19.6	0.8
70°-80°	7.0	0.3
80°-90°	0.7	0.0
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°	1578.0	66.1
0°-40°	2112.3	88.4
0°-60°	2361.4	98.9
0°-90°	2388.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2388.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2489	
5°	2446	229
15°	2113	593
25°	1679	756
35°	849	534
45°	236	195
55°	58	54
65°	19	20
75°	5	7
85°	0	1
90°	0	



TEST NUMBER: P205524

CATALOG NUMBER: LD6B40D010 EU6B30508035 6LBMGPH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2489.1
2.5°	2479.5
5°	2445.7
7.5°	2378.2
10°	2305.8
12.5°	2209.3
15°	2112.9
17.5°	2016.4
20°	1919.9
22.5°	1804.1
25°	1678.7
27.5°	1505.1
30°	1312.1
32.5°	1080.6
35°	849.0
37.5°	646.4
40°	472.7
42.5°	342.5
45°	236.4
47.5°	159.2
50°	106.1
52.5°	72.4
55°	57.9
57.5°	43.4
60°	33.8
62.5°	24.1
65°	19.3
67.5°	14.5
70°	9.6
72.5°	9.6
75°	4.8
77.5°	4.8
80°	4.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)