

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: P202910

Luminaire Tested: **LD6B10D010 EU6B10209050 6LBWGPH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202910  
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: LD6B10D010 EU6B10209050 6LBWGPH1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTIONWITH GRAPHITE HAZE TRIM  
WATTAGE D010TR-10.05 W DE010-10.58 W D5LT-10.2 W DMX-10.6 W DL2-11.8 W  
DL3-11.1 W DLE-11.39 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 616.5 lumens  
Efficiency: N/A  
Efficacy: 62.3 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

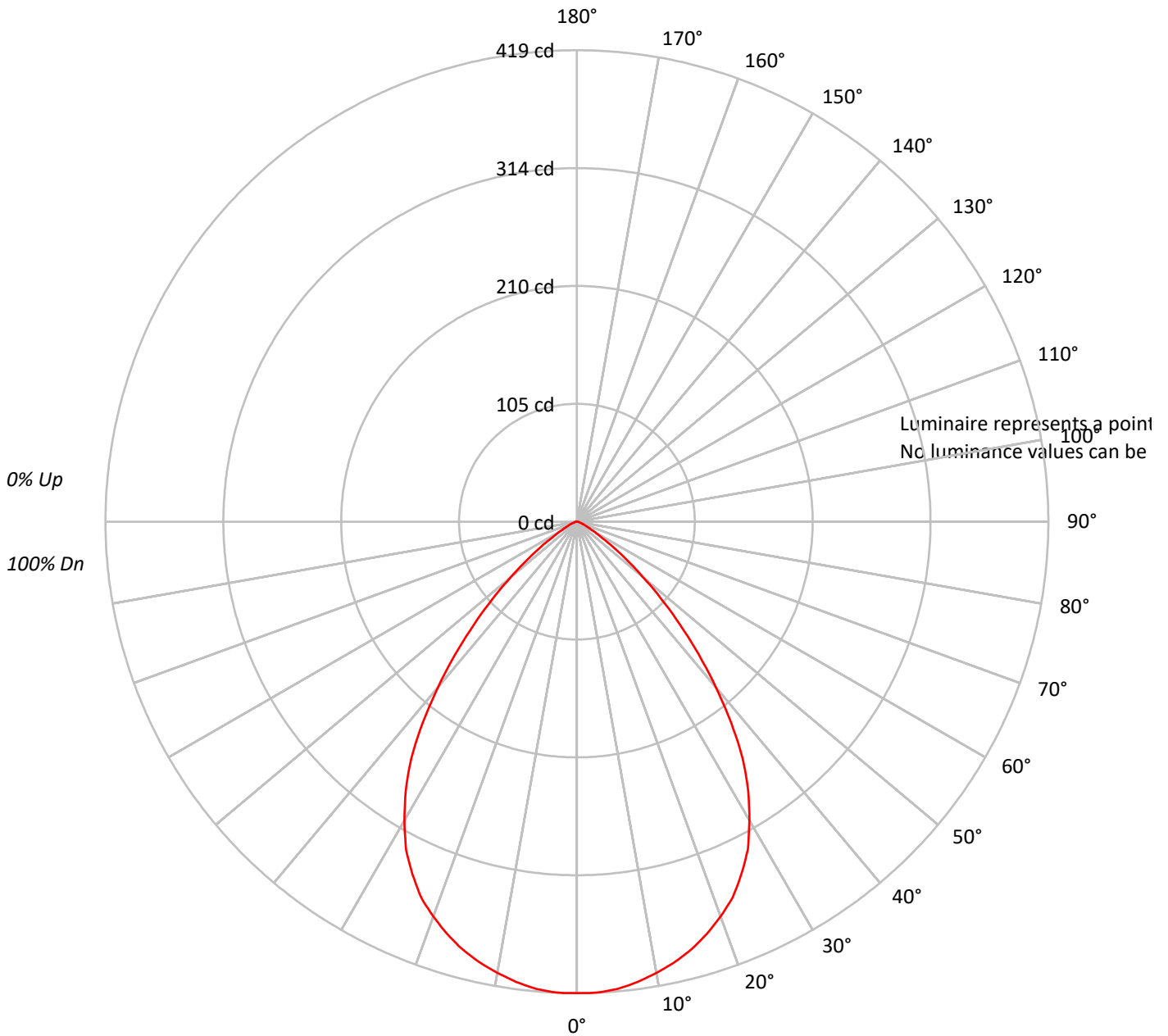
Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P202910

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBWGPH1

### Luminous Intensity Polar Plot





TEST NUMBER: P202910

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBWGPH1

**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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74			
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67			
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61			
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56			
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51			
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47			
9	68	57	50	45	66	56	49	45	55	49	45	54	48	45	53	48	44	43			
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40			

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





TEST NUMBER: P202910

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBWGPH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.5	6.4
10°-20°	110.7	18.0
20°-30°	158.4	25.7
30°-40°	157.9	25.6
40°-50°	100.5	16.3
50°-60°	37.1	6.0
60°-70°	9.3	1.5
70°-80°	2.8	0.5
80°-90°	0.4	0.1
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°	308.5	50.0
0°-40°	466.4	75.6
0°-60°	604.0	98.0
0°-90°	616.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	419	
5°	417	39
15°	394	111
25°	346	158
35°	257	158
45°	129	101
55°	39	37
65°	8	9
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P202910

CATALOG NUMBER: LD6B10D010 EU6B10209050 6LBWGPH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	419.0
2.5°	419.0
5°	416.9
7.5°	412.6
10°	407.3
12.5°	401.0
15°	393.5
17.5°	384.0
20°	373.4
22.5°	361.7
25°	345.8
27.5°	328.8
30°	306.6
32.5°	283.2
35°	256.7
37.5°	224.9
40°	192.0
42.5°	160.2
45°	129.4
47.5°	101.8
50°	76.4
52.5°	56.2
55°	39.2
57.5°	25.5
60°	17.0
62.5°	11.7
65°	8.5
67.5°	6.4
70°	5.3
72.5°	3.2
75°	2.1
77.5°	2.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)