

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: P203350

Luminaire Tested: **LD6B20D010 EU6B10209730 6LBMWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P203350  
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: LD6B20D010 EU6B10209730 6LBMWH1  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH WHEAT TRIM  
WATTAGE D010TR-21.86 W DE010-20.46 W D5LT-21.24 W DMX-20.89 W DL2-22.5 W  
DL3-21.8 6 W DLE-22.46 W  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1200.9 lumens  
Efficiency: N/A  
Efficacy: 57.7 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.85  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

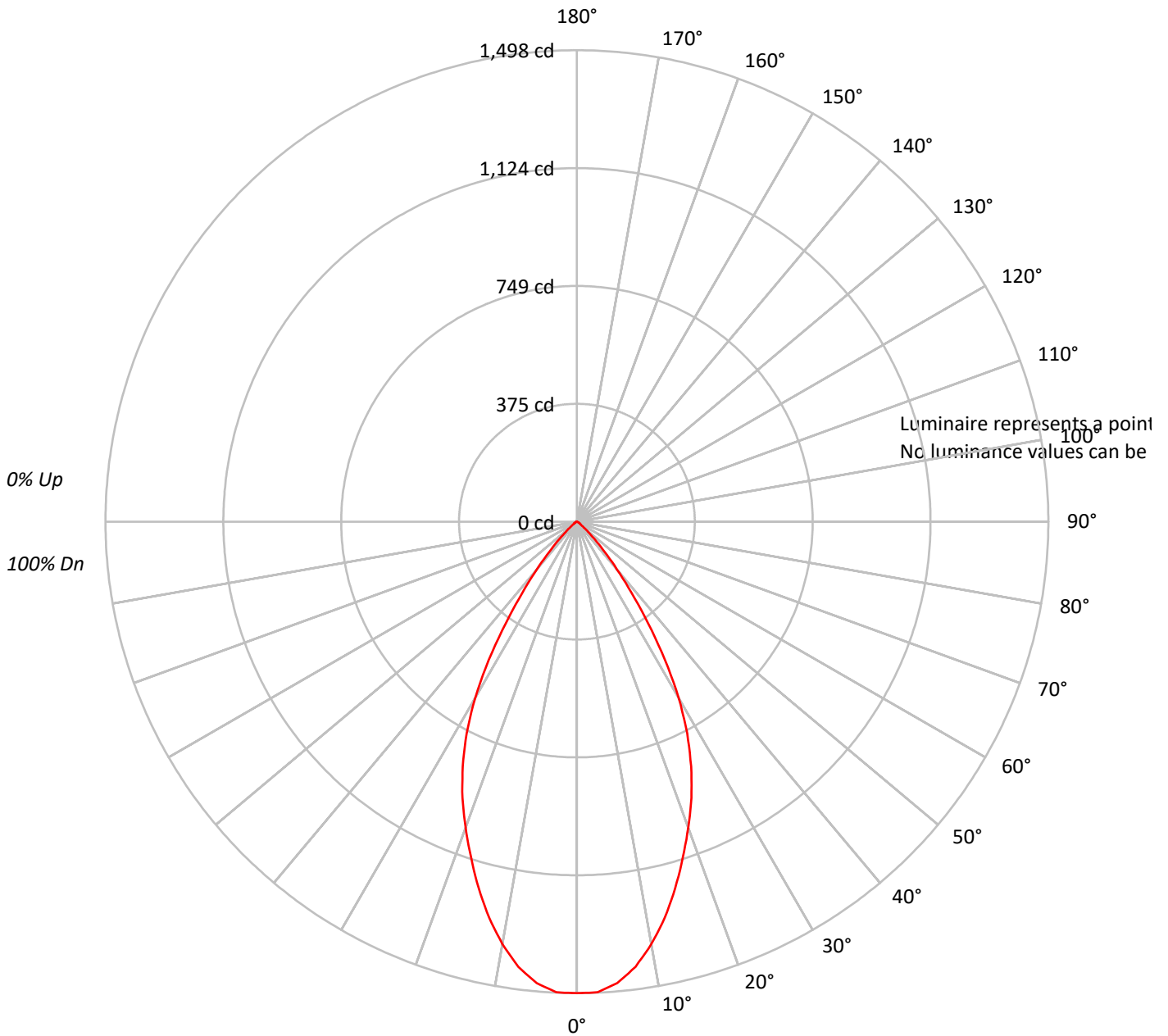
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P203350

CATALOG NUMBER: LD6B20D010 EU6B10209730 6LBMWH1

### Luminous Intensity Polar Plot





TEST NUMBER: P203350

CATALOG NUMBER: LD6B20D010 EU6B10209730 6LBMWH1

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94		
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87		
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81		
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76		
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71		
6	88	79	73	69	87	78	73	69	77	72	68	76	71	68	74	70	67	66		
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62		
8	80	70	64	60	78	70	64	60	69	64	60	68	63	60	67	62	59	58		
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55		
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52		

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





TEST NUMBER: P203350

CATALOG NUMBER: LD6B20D010 EU6B10209730 6LBMWH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.0	11.4
10°-20°	336.2	28.0
20°-30°	389.0	32.4
30°-40°	248.7	20.7
40°-50°	70.5	5.9
50°-60°	12.6	1.0
60°-70°	5.1	0.4
70°-80°	1.8	0.1
80°-90°	0.0	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°	862.3	71.8
0°-40°	1110.9	92.5
0°-60°	1194.0	99.4
0°-90°	1200.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1200.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1498	
5°	1471	137
15°	1206	336
25°	858	389
35°	392	249
45°	82	70
55°	12	13
65°	5	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P203350

CATALOG NUMBER: LD6B20D010 EU6B10209730 6LBMWH1

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1498.2
2.5°	1496.5
5°	1471.4
7.5°	1426.4
10°	1362.9
12.5°	1289.4
15°	1205.9
17.5°	1119.0
20°	1033.9
22.5°	950.3
25°	858.5
27.5°	758.3
30°	646.4
32.5°	521.1
35°	392.5
37.5°	283.9
40°	197.1
42.5°	130.3
45°	81.8
47.5°	48.4
50°	28.4
52.5°	16.7
55°	11.7
57.5°	10.0
60°	8.4
62.5°	6.7
65°	5.0
67.5°	3.3
70°	3.3
72.5°	1.7
75°	1.7
77.5°	1.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)