

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: P202874

Luminaire Tested: **LD6B50D010TE EU6B30509730 6LBWWH1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P202874  
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: LD6B50D010TE EU6B30509730 6LBWWH1  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH WHEAT TRIM  
SINGLE DRIVER D010TE  
Light Source: HIGH LUMEN LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3648.0 lumens  
Efficiency: N/A  
Efficacy: 62.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.18  
Luminous Opening: Point Source (0' x 0' x 0')  
CIE Type: Direct

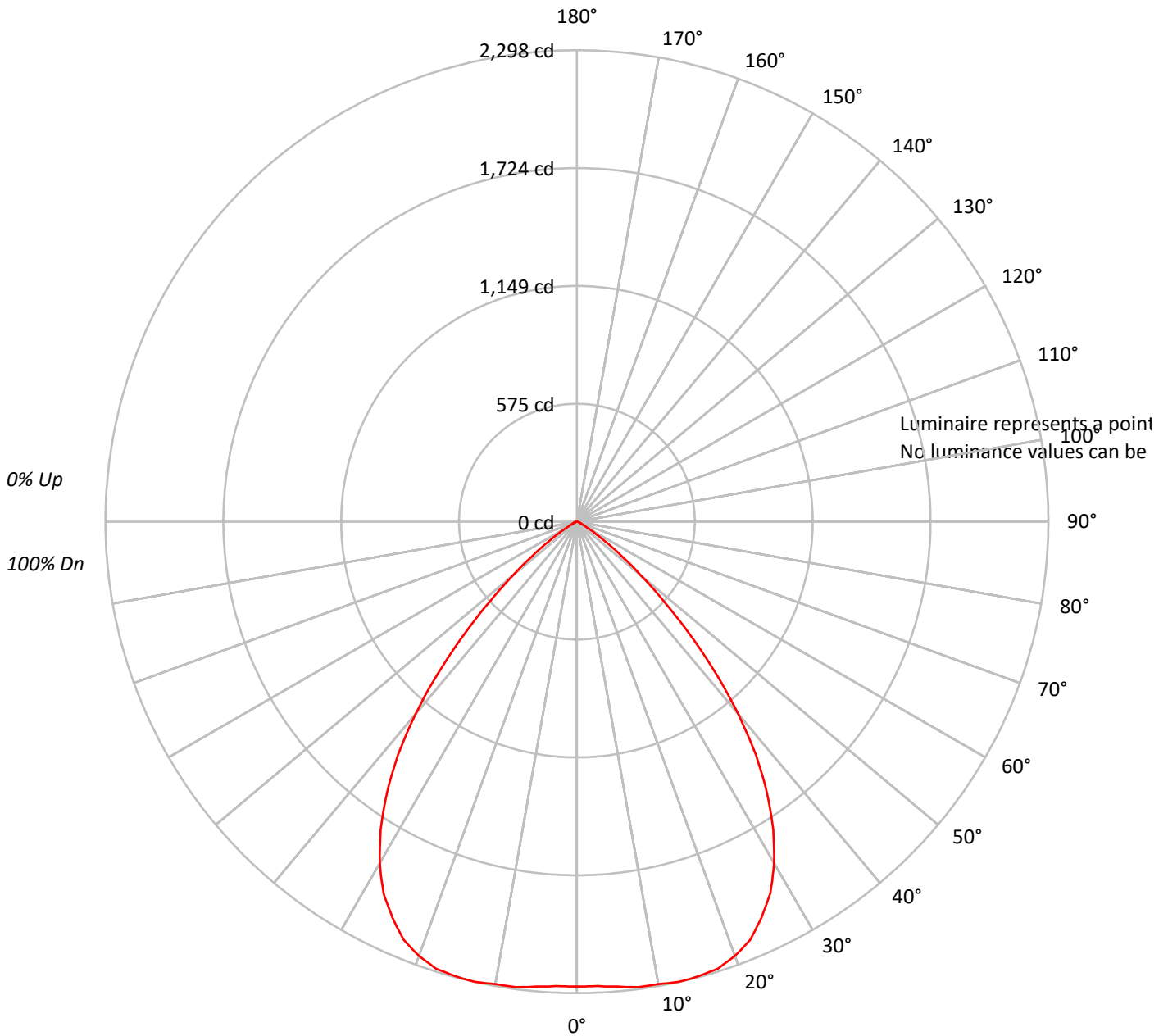
Input Watts (W): 58.77  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P202874

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWWH1

### Luminous Intensity Polar Plot





TEST NUMBER: P202874

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWWH1

**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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68			
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62			
6	82	71	64	59	80	71	64	59	69	63	59	67	62	58	66	61	58	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43			
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40			

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





TEST NUMBER: P202874

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWWH1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.8	6.0
10°-20°	647.7	17.8
20°-30°	974.9	26.7
30°-40°	996.8	27.3
40°-50°	605.4	16.6
50°-60°	170.5	4.7
60°-70°	25.9	0.7
70°-80°	8.5	0.2
80°-90°	0.6	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°	1840.4	50.4
0°-40°	2837.2	77.8
0°-60°	3613.0	99.0
0°-90°	3648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3648.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2266	
5°	2275	218
15°	2293	648
25°	2128	975
35°	1616	997
45°	778	605
55°	169	170
65°	23	26
75°	9	8
85°	0	1
90°	0	



TEST NUMBER: P202874

CATALOG NUMBER: LD6B50D010TE EU6B30509730 6LBWWH1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2265.8
2.5°	2265.8
5°	2275.0
7.5°	2288.7
10°	2288.7
12.5°	2297.9
15°	2293.3
17.5°	2284.1
20°	2252.1
22.5°	2206.3
25°	2128.5
27.5°	2041.5
30°	1922.5
32.5°	1780.6
35°	1615.8
37.5°	1432.7
40°	1222.2
42.5°	1002.4
45°	778.2
47.5°	576.8
50°	407.4
52.5°	274.6
55°	169.4
57.5°	100.7
60°	50.4
62.5°	32.0
65°	22.9
67.5°	18.3
70°	13.7
72.5°	9.2
75°	9.2
77.5°	4.6
80°	4.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)