

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: P202609

Luminaire Tested: **LD6B15D010 EU6B10209024 6LBMWMH1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P202609
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: LD6B15D010 EU6B10209024 6LBMWMH1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH WARM HAZE TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 831.4 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.89
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

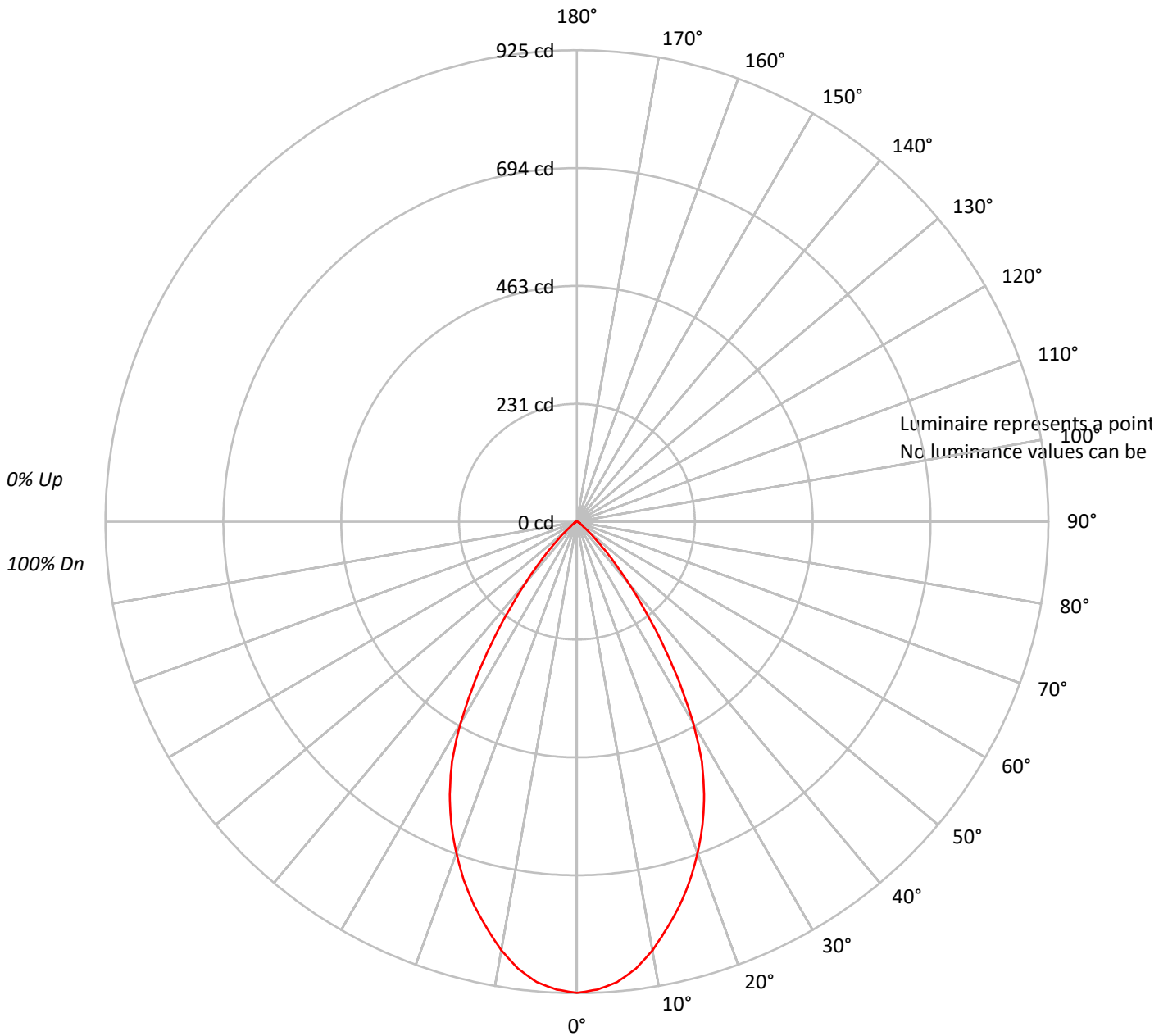
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P202609

CATALOG NUMBER: LD6B15D010 EU6B10209024 6LBMWMH1

Luminous Intensity Polar Plot





TEST NUMBER: P202609

CATALOG NUMBER: LD6B15D010 EU6B10209024 6LBMWMH1

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74			
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69			
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64			
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	62	60			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56			
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50			

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P202609

CATALOG NUMBER: LD6B15D010 EU6B10209024 6LBMWMH1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	10.2
10°-20°	217.8	26.2
20°-30°	267.6	32.2
30°-40°	183.5	22.1
40°-50°	59.0	7.1
50°-60°	12.0	1.4
60°-70°	4.7	0.6
70°-80°	1.8	0.2
80°-90°	0.3	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°	570.2	68.6
0°-40°	753.7	90.7
0°-60°	824.7	99.2
0°-90°	831.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	831.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	925	
5°	907	85
15°	779	218
25°	590	268
35°	293	183
45°	70	59
55°	12	12
65°	5	5
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P202609

CATALOG NUMBER: LD6B15D010 EU6B10209024 6LBMWMH1

CANDELA DISTRIBUTION (FULL):

	0°
0°	924.6
2.5°	918.9
5°	906.9
7.5°	884.4
10°	854.0
12.5°	816.7
15°	779.3
17.5°	737.7
20°	691.8
22.5°	643.9
25°	590.3
27.5°	531.0
30°	456.3
32.5°	373.8
35°	292.7
37.5°	218.6
40°	157.3
42.5°	107.2
45°	69.8
47.5°	43.0
50°	26.1
52.5°	16.2
55°	12.0
57.5°	9.2
60°	7.1
62.5°	5.6
65°	4.9
67.5°	3.5
70°	2.8
72.5°	2.1
75°	1.4
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)