

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: P232483

Luminaire Tested: **LD6B10D010 EU6B10209030D2W 6LBN0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P232483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27681)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10D010 EU6B10209030D2W 6LBN0H
Description: 6" NARROW D2W Dimmed to 3000K, with Haze trim
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 599.0 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.72
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

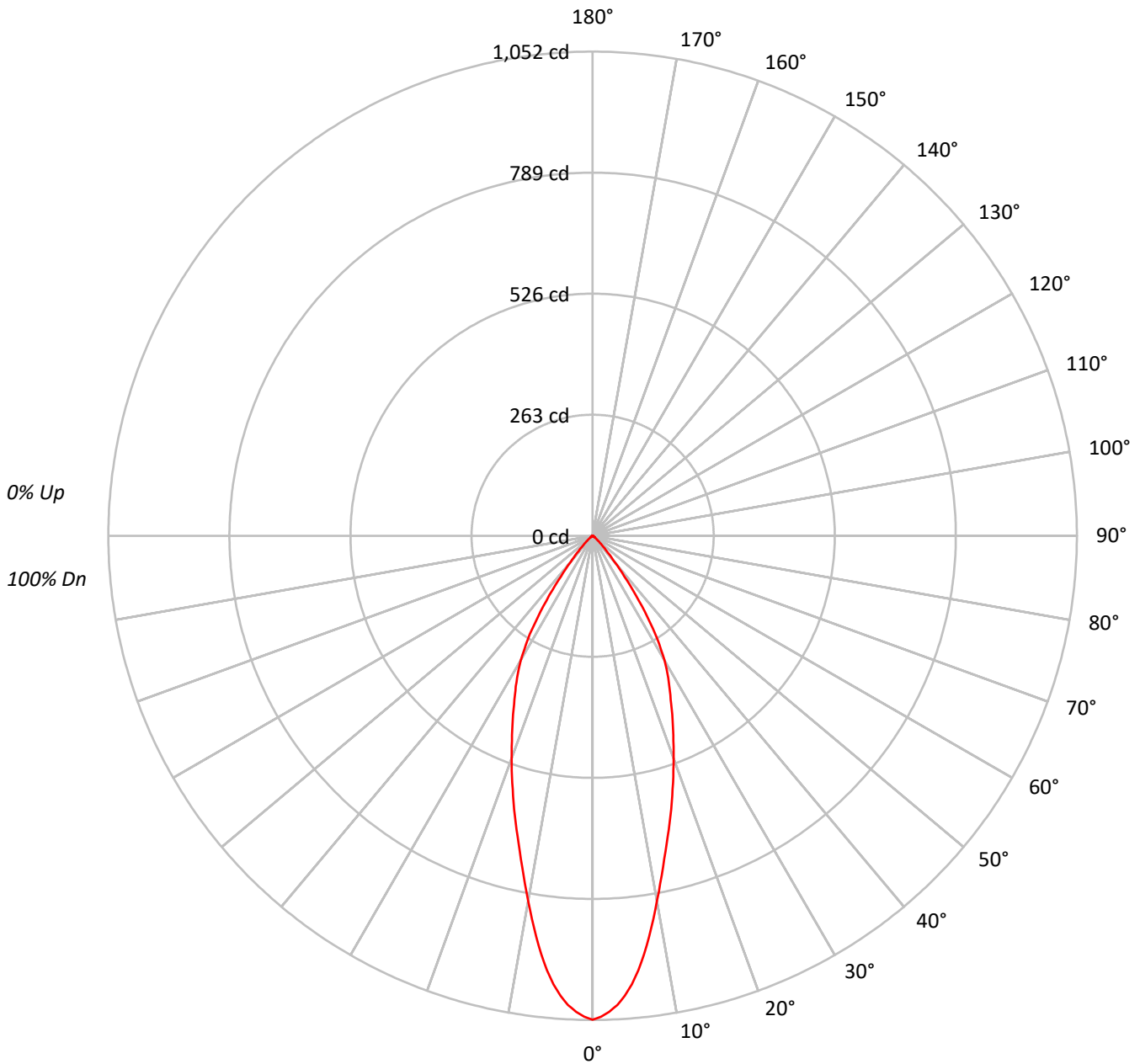
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88			
3	104	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83			
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	85	82	79	78			
5	94	86	81	77	92	85	80	76	84	79	76	82	78	75	80	77	74	73			
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69			
7	86	77	71	67	84	76	71	67	75	70	67	74	70	66	73	69	66	65			
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61			
9	78	69	64	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58			
10	75	66	60	57	74	65	60	57	65	60	56	64	59	56	63	59	56	55			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57643
5°	53841
10°	44828
15°	36669
20°	30009
25°	24437
30°	19731
35°	12461
40°	5331
45°	2085
50°	878
55°	392
60°	230
65°	91
70°	112
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	14.6
10°-20°	179.9	30.0
20°-30°	185.9	31.0
30°-40°	115.4	19.3
40°-50°	24.6	4.1
50°-60°	4.3	0.7
60°-70°	1.0	0.2
70°-80°	0.1	0.0
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°	453.5	75.7
0°-40°	568.9	95.0
0°-60°	597.8	99.8
0°-90°	599.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	599.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1052	
5°	978	88
15°	646	180
25°	404	186
35°	186	115
45°	27	25
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1051.5
1°	1045.3
2°	1034.9
3°	1021.1
4°	1001.8
5°	978.4
6°	949.4
7°	916.3
8°	879.8
9°	842.6
10°	805.3
11°	770.2
12°	735.7
13°	703.3
14°	673.6
15°	646.1
16°	618.5
17°	590.9
18°	564.7
19°	539.2
20°	514.4
21°	490.2
22°	467.5
23°	445.4
24°	424.7
25°	404.0
26°	384.7
27°	367.5
28°	349.6
29°	331.6
30°	311.7
32.5°	253.7
35°	186.2
37.5°	121.4
40°	74.5
42.5°	44.8
45°	26.9
47.5°	16.5
50°	10.3
52.5°	6.2
55°	4.1
57.5°	2.8
60°	2.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.7
70°	0.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







62.5°		1.4
65°		0.7



(END OF REPORT)