

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: P232484

Luminaire Tested: **LD6B10D010 EU6B10209030D2W 6LBN0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P232484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27677)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10D010 EU6B10209030D2W 6LBN0LI
Description: 6" NARROW D2W Dimmed to 3000K, with specular clear trim
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 652.3 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.41
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

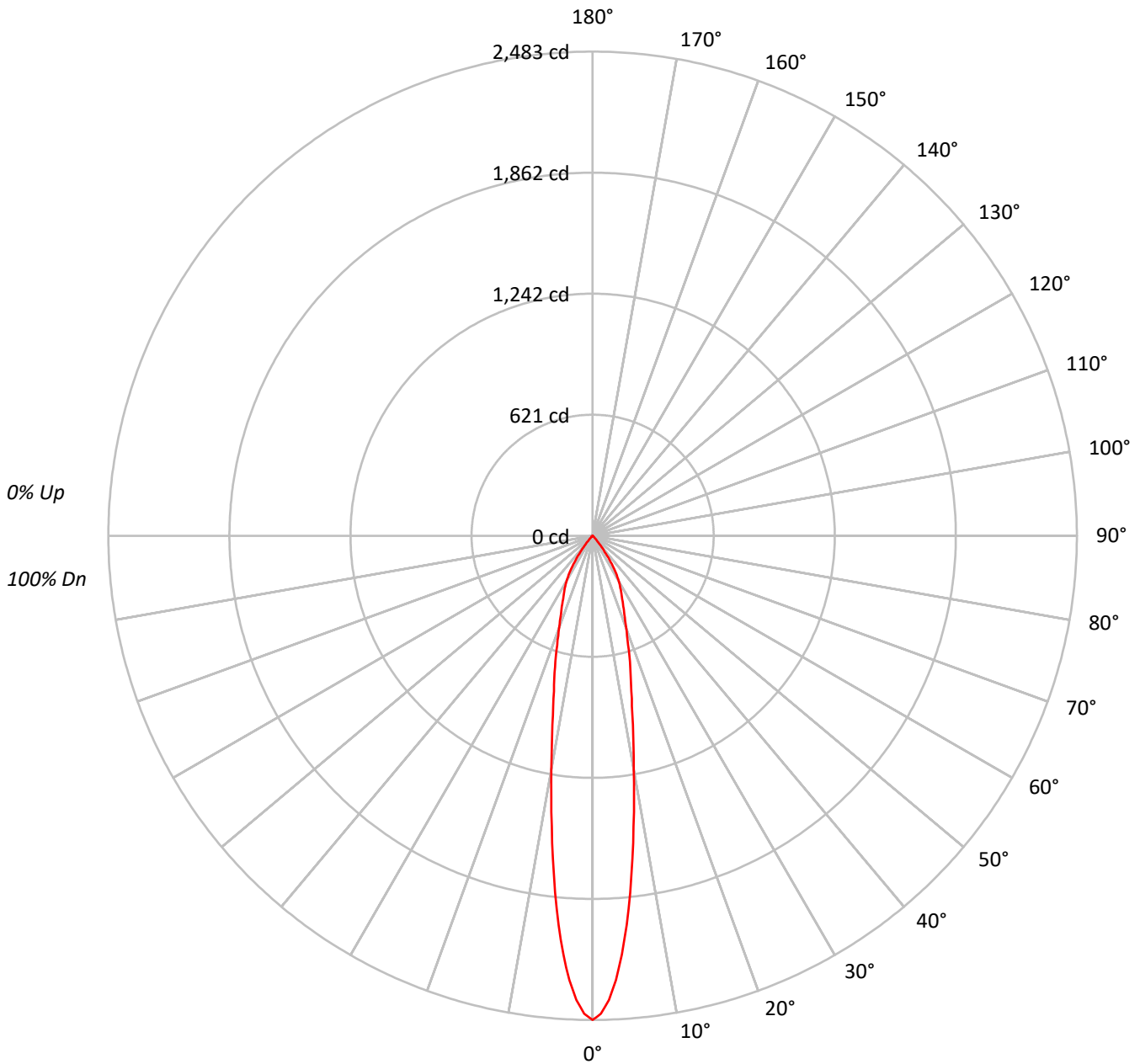
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91			
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	89	88	86			
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82			
5	97	90	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78			
6	94	86	81	78	92	85	81	77	84	80	77	83	79	76	82	78	76	75			
7	90	82	77	74	89	82	77	74	81	76	73	80	76	73	78	75	73	71			
8	87	79	74	71	86	78	74	70	77	73	70	76	73	70	76	72	70	68			
9	84	76	71	68	83	75	71	67	74	70	67	74	70	67	73	69	67	66			
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	136113
5°	110186
10°	67745
15°	43008
20°	29286
25°	21727
30°	16933
35°	10059
40°	3550
45°	961
50°	239
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.4	25.2
10°-20°	213.5	32.7
20°-30°	167.2	25.6
30°-40°	93.8	14.4
40°-50°	13.1	2.0
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	545.0	83.6
0°-40°	638.8	97.9
0°-60°	652.3	100.0
0°-90°	652.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2483	
5°	2002	164
15°	758	213
25°	359	167
35°	150	94
45°	12	13
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2482.9
1°	2451.2
2°	2382.2
3°	2281.5
4°	2152.6
5°	2002.3
6°	1839.6
7°	1670.7
8°	1507.2
9°	1355.6
10°	1217.0
11°	1095.6
12°	990.8
13°	897.0
14°	821.2
15°	757.8
16°	700.5
17°	644.7
18°	589.5
19°	542.6
20°	502.0
21°	466.1
22°	434.4
23°	407.5
24°	382.0
25°	359.2
26°	337.9
27°	320.6
28°	303.4
29°	286.1
30°	267.5
32.5°	214.4
35°	150.3
37.5°	91.7
40°	49.6
42.5°	25.5
45°	12.4
47.5°	6.2
50°	2.8
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
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°		0.0
65°		0.0



(END OF REPORT)