

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: P232482

Luminaire Tested: **LD6B10D010 EU6B10209030D2W 6LBM0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P232482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27678)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10D010 EU6B10209030D2W 6LBM0LI
Description: 6" MEDIUM 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: 734.9 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.66
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

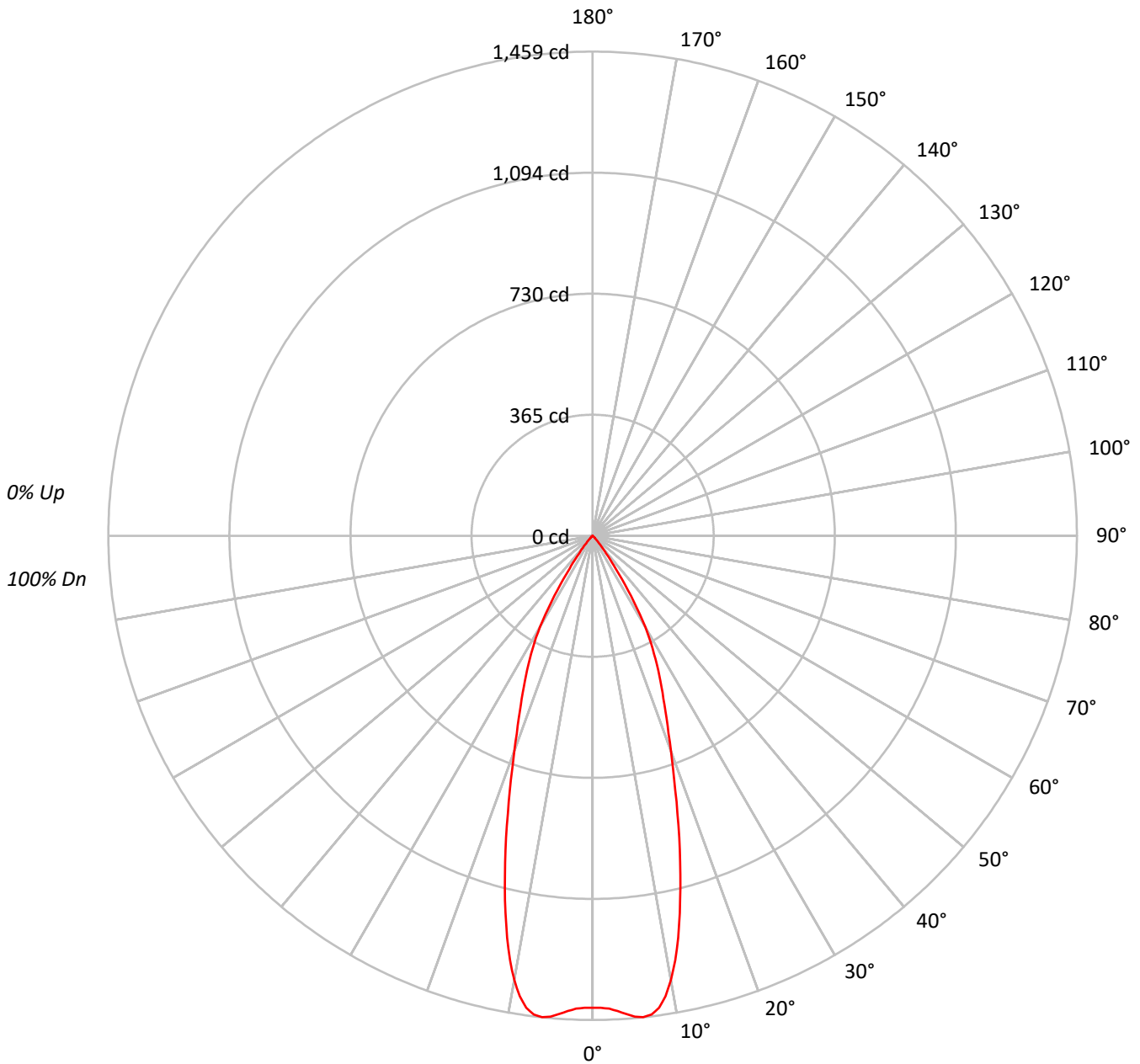
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77965
5°	80068
10°	75689
15°	57810
20°	40183
25°	29234
30°	20079
35°	8124
40°	2455
45°	752
50°	256
55°	67
60°	77
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	18.6
10°-20°	278.9	37.9
20°-30°	221.4	30.1
30°-40°	87.3	11.9
40°-50°	9.8	1.3
50°-60°	0.9	0.1
60°-70°	0.1	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°	636.8	86.7
0°-40°	724.1	98.5
0°-60°	734.8	100.0
0°-90°	734.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1422	
5°	1455	137
15°	1019	279
25°	483	221
35°	121	87
45°	10	10
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1422.2
1°	1422.2
2°	1426.0
3°	1434.1
4°	1444.6
5°	1455.0
6°	1458.7
7°	1453.5
8°	1436.4
9°	1405.1
10°	1359.7
11°	1303.8
12°	1238.3
13°	1166.8
14°	1093.1
15°	1018.6
16°	945.7
17°	874.2
18°	806.4
19°	743.9
20°	688.8
21°	638.1
22°	594.2
23°	553.3
24°	517.5
25°	483.3
26°	450.5
27°	417.7
28°	384.2
29°	351.5
30°	317.2
32.5°	215.2
35°	121.4
37.5°	66.3
40°	34.3
42.5°	17.9
45°	9.7
47.5°	6.0
50°	3.0
52.5°	0.7
55°	0.7
57.5°	0.7
60°	0.7



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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)