

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: P232486

Luminaire Tested: **LD6B10D010 EU6B10209030D2W 6LBW0LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P232486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27679)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10D010 EU6B10209030D2W 6LBW0LI
Description: 6" WIDE 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: 909.7 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.07
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

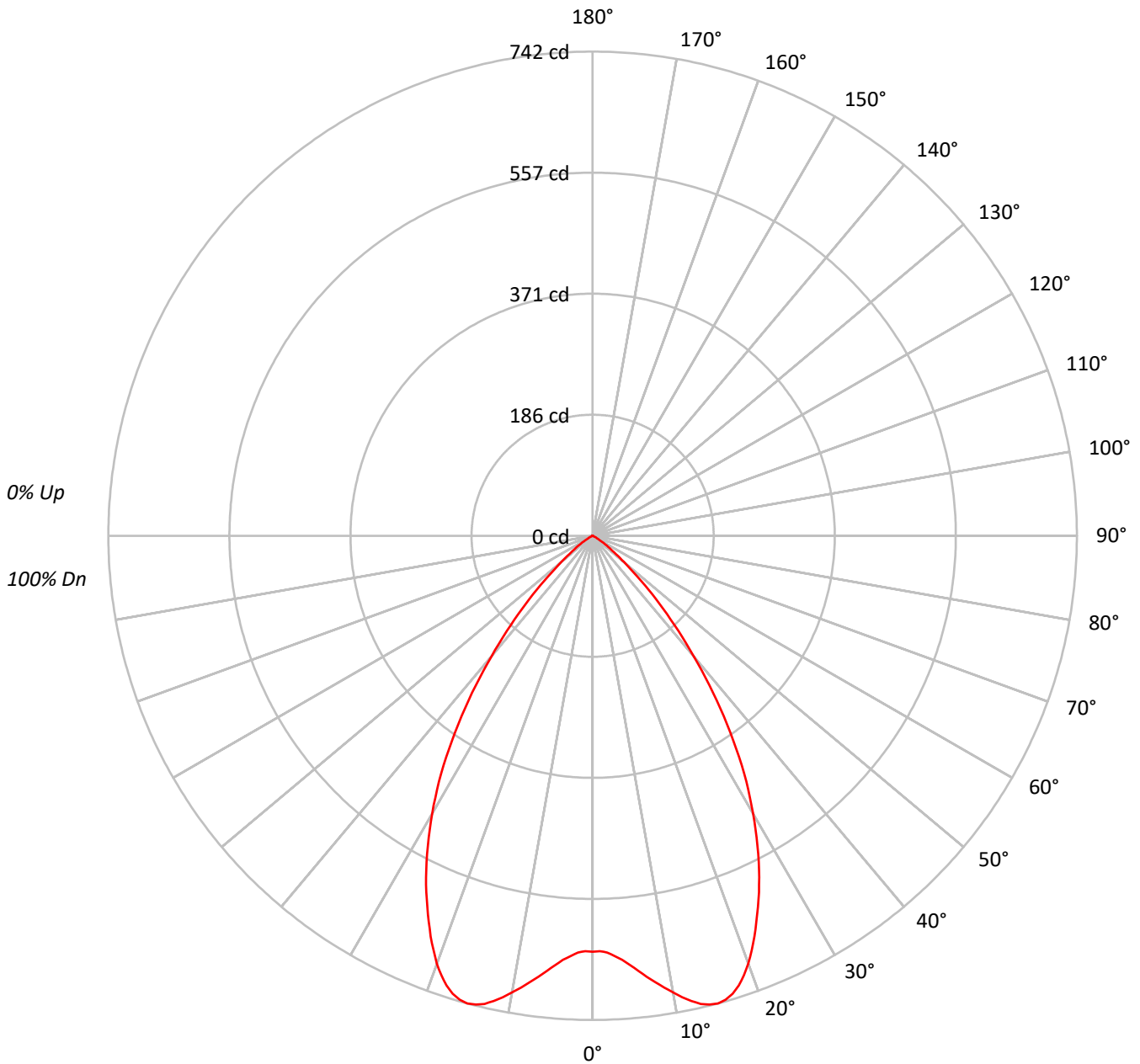
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71	71	71	71
5	90	80	74	69	88	80	74	69	78	72	68	76	71	68	74	70	67	66	66	66	66
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60	60	60	60
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56	56	56	56
8	75	65	59	54	74	64	58	54	63	58	54	62	57	53	61	57	53	52	52	52	52
9	71	61	54	50	70	60	54	50	59	54	50	58	53	50	58	53	49	48	48	48	48
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	45	45	45	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34942
5°	36347
10°	39562
15°	42111
20°	40697
25°	36468
30°	31125
35°	24581
40°	17268
45°	10598
50°	5339
55°	2523
60°	899
65°	104
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	7.1
10°-20°	206.3	22.7
20°-30°	274.8	30.2
30°-40°	227.6	25.0
40°-50°	107.9	11.9
50°-60°	26.1	2.9
60°-70°	2.2	0.2
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°	545.9	60.0
0°-40°	773.5	85.0
0°-60°	907.5	99.8
0°-90°	909.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	909.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	637	
5°	660	65
15°	742	206
25°	603	275
35°	367	228
45°	137	108
55°	26	26
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	637.4
1°	636.6
2°	639.1
3°	644.9
4°	651.4
5°	660.5
6°	670.4
7°	681.1
8°	691.0
9°	700.9
10°	710.7
11°	720.6
12°	728.9
13°	736.3
14°	740.4
15°	742.0
16°	739.6
17°	733.8
18°	724.7
19°	712.4
20°	697.6
21°	680.3
22°	662.2
23°	642.4
24°	622.6
25°	602.9
26°	582.3
27°	560.9
28°	537.8
29°	514.7
30°	491.7
32.5°	432.4
35°	367.3
37.5°	303.1
40°	241.3
42.5°	185.3
45°	136.7
47.5°	93.1
50°	62.6
52.5°	41.2
55°	26.4
57.5°	15.6
60°	8.2



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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°		4.1
65°		0.8



(END OF REPORT)