

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: P232485

Luminaire Tested: **LD6B10D010 EU6B10209030D2W 6LBW0H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P232485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27683)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6B10D010 EU6B10209030D2W 6LBW0H
Description: 6" WIDE 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: 821.7 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

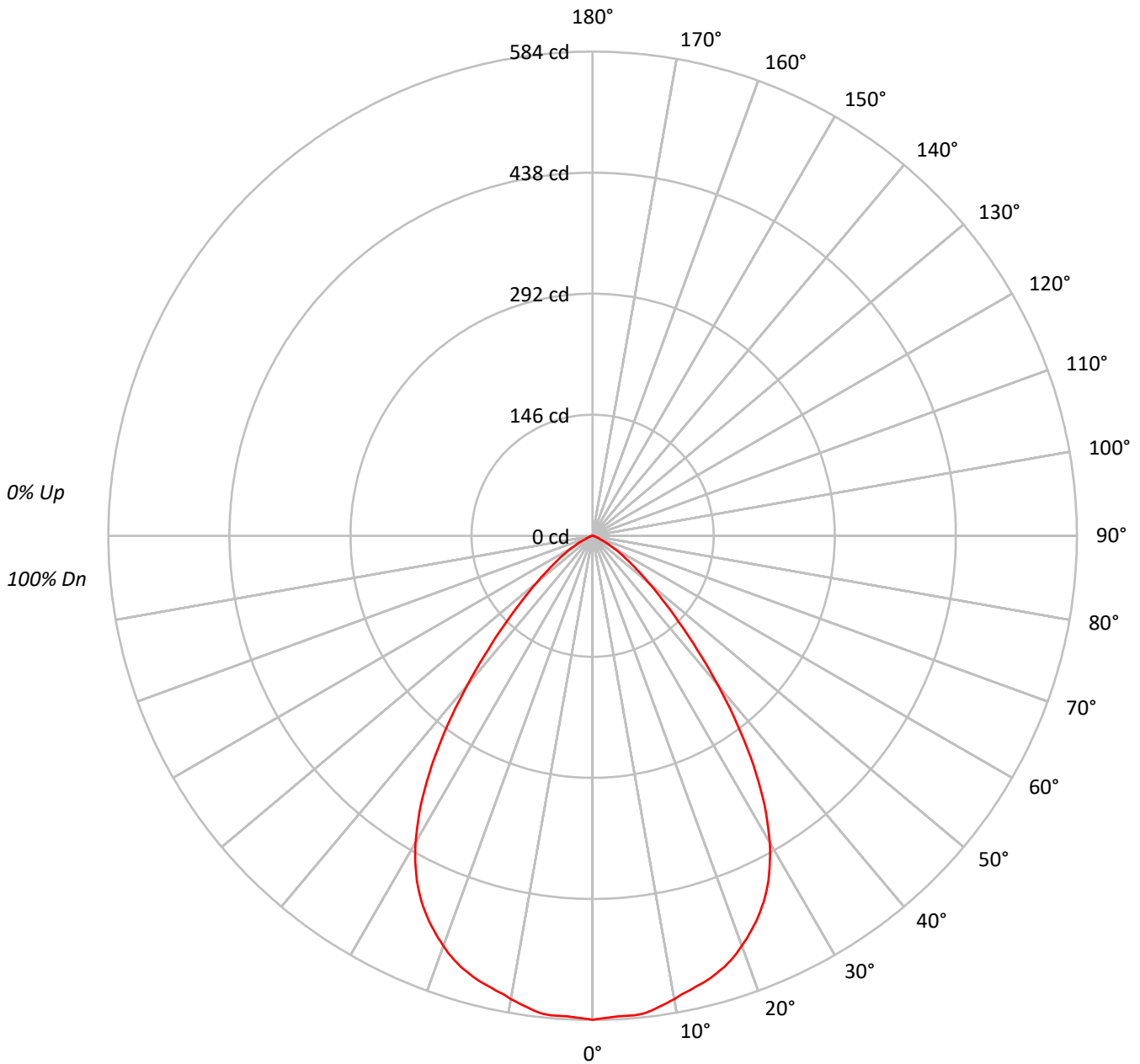
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P232485

CATALOG NUMBER: LD6B10D010 EU6B10209030D2W 6LBW0H

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92																			
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83																			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75																			
4	93	84	78	73	91	83	77	72	81	76	72	79	74	71	77	73	70	68																			
5	87	78	71	66	86	77	70	65	75	69	65	73	68	64	71	67	64	62																			
6	82	72	65	60	80	71	64	60	69	63	59	68	63	59	66	62	58	57																			
7	77	66	59	55	76	66	59	54	64	58	54	63	58	54	62	57	53	52																			
8	73	62	55	50	71	61	55	50	60	54	50	59	53	50	58	53	49	48																			
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44																			
10	65	54	47	43	64	53	47	43	52	47	43	52	46	42	51	46	42	41																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32009
5°	31950
10°	31585
15°	31317
20°	30704
25°	29494
30°	27055
35°	22653
40°	16796
45°	11366
50°	7514
55°	4960
60°	3070
65°	1388
70°	785
75°	339
80°	253
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	6.7
10°-20°	155.3	18.9
20°-30°	222.6	27.1
30°-40°	208.4	25.4
40°-50°	116.3	14.2
50°-60°	48.0	5.8
60°-70°	13.3	1.6
70°-80°	2.5	0.3
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°	432.8	52.7
0°-40°	641.3	78.0
0°-60°	805.5	98.0
0°-90°	821.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	821.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	584	
5°	581	55
15°	552	155
25°	488	223
35°	338	208
45°	147	116
55°	52	48
65°	11	13
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	583.9
1°	582.3
2°	581.4
3°	580.6
4°	580.6
5°	580.6
6°	579.8
7°	577.3
8°	574.0
9°	570.7
10°	567.4
11°	563.3
12°	560.9
13°	557.6
14°	555.1
15°	551.8
16°	547.7
17°	543.6
18°	538.6
19°	532.9
20°	526.3
21°	519.7
22°	512.3
23°	504.9
24°	496.6
25°	487.6
26°	477.7
27°	467.0
28°	454.6
29°	441.4
30°	427.4
32.5°	386.3
35°	338.5
37.5°	286.6
40°	234.7
42.5°	187.0
45°	146.6
47.5°	113.7
50°	88.1
52.5°	67.5
55°	51.9
57.5°	38.7
60°	28.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.4
70°	4.9
72.5°	3.3
75°	1.6
77.5°	1.6
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







62.5°		19.8
65°		10.7



(END OF REPORT)