

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: P232488

Luminaire Tested: **LD6B20D010 EU6B10209030D2W 6LBW0LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P232488  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27697)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B20D010 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: 1612.4 lumens  
Efficiency: N/A  
Efficacy: 77.5 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

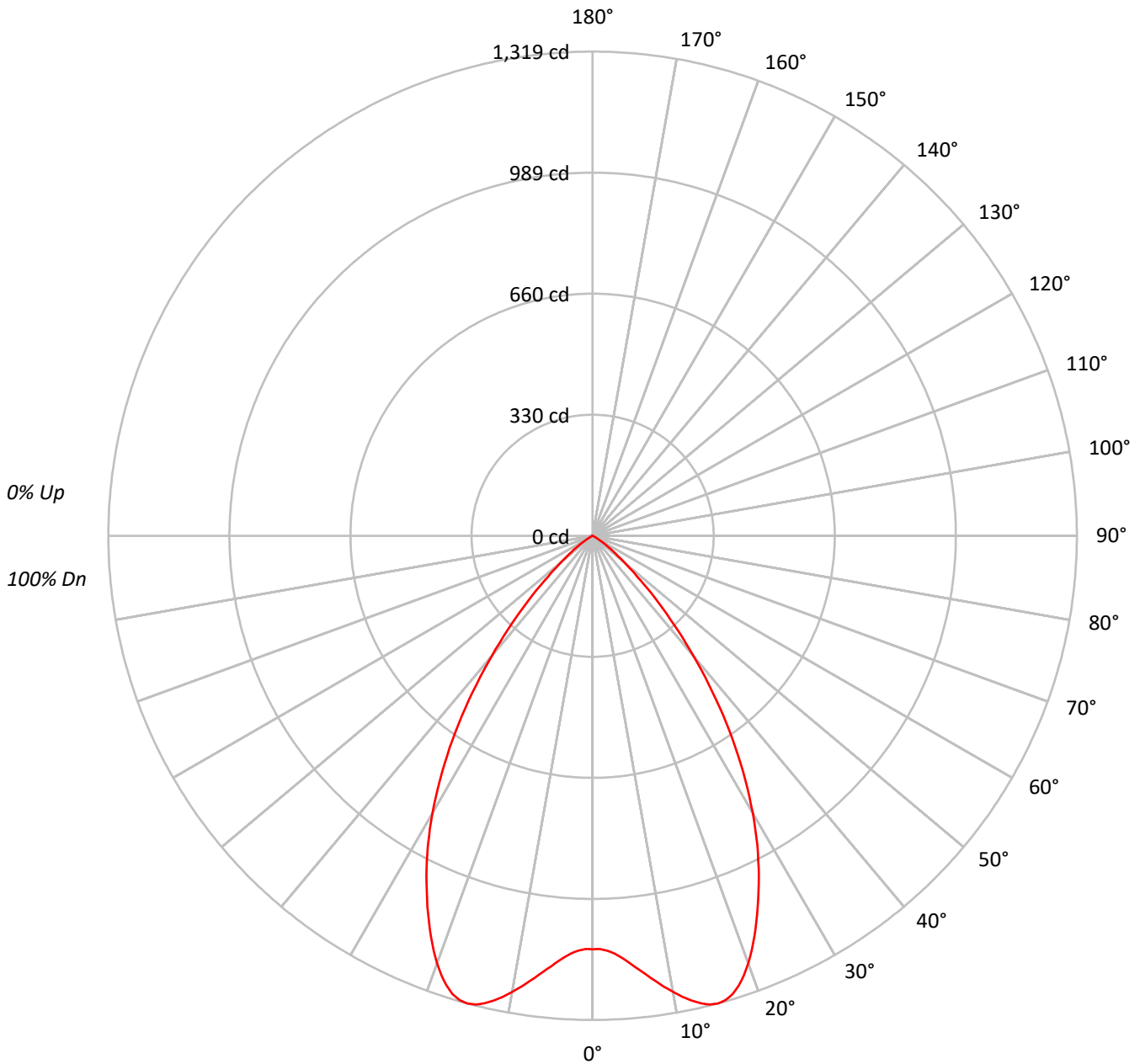
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	61766
5°	64357
10°	70234
15°	74881
20°	72310
25°	64661
30°	55211
35°	43540
40°	30529
45°	18707
50°	9415
55°	4406
60°	1623
65°	104
70°	128
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.7	7.1
10°-20°	366.6	22.7
20°-30°	487.9	30.3
30°-40°	402.5	25.0
40°-50°	190.4	11.8
50°-60°	46.1	2.9
60°-70°	4.1	0.3
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°	969.2	60.1
0°-40°	1371.7	85.1
0°-60°	1608.2	99.7
0°-90°	1612.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1612.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1127	
5°	1170	115
15°	1319	367
25°	1069	488
35°	651	403
45°	241	190
55°	46	46
65°	1	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1126.7
1°	1125.8
2°	1130.8
3°	1139.8
4°	1153.0
5°	1169.5
6°	1186.8
7°	1205.7
8°	1224.7
9°	1243.6
10°	1261.7
11°	1279.0
12°	1294.7
13°	1307.0
14°	1316.1
15°	1319.4
16°	1315.2
17°	1305.4
18°	1288.1
19°	1265.8
20°	1239.5
21°	1209.0
22°	1176.1
23°	1141.5
24°	1106.1
25°	1069.0
26°	1032.8
27°	994.1
28°	955.3
29°	914.2
30°	872.2
32.5°	762.6
35°	650.6
37.5°	535.3
40°	426.6
42.5°	327.0
45°	241.3
47.5°	163.9
50°	110.4
52.5°	73.3
55°	46.1
57.5°	27.2
60°	14.8



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	0.8
70°	0.8
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°	7.4
65°	0.8



(END OF REPORT)