

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: P225467

Luminaire Tested: **LD2B20D010 EU2B20FL408030 2LBDLC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14833)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B20D010 EU2B20FL408030 2LBDLC\*MB  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1700.7 lumens  
Efficiency: N/A  
Efficacy: 81.4 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

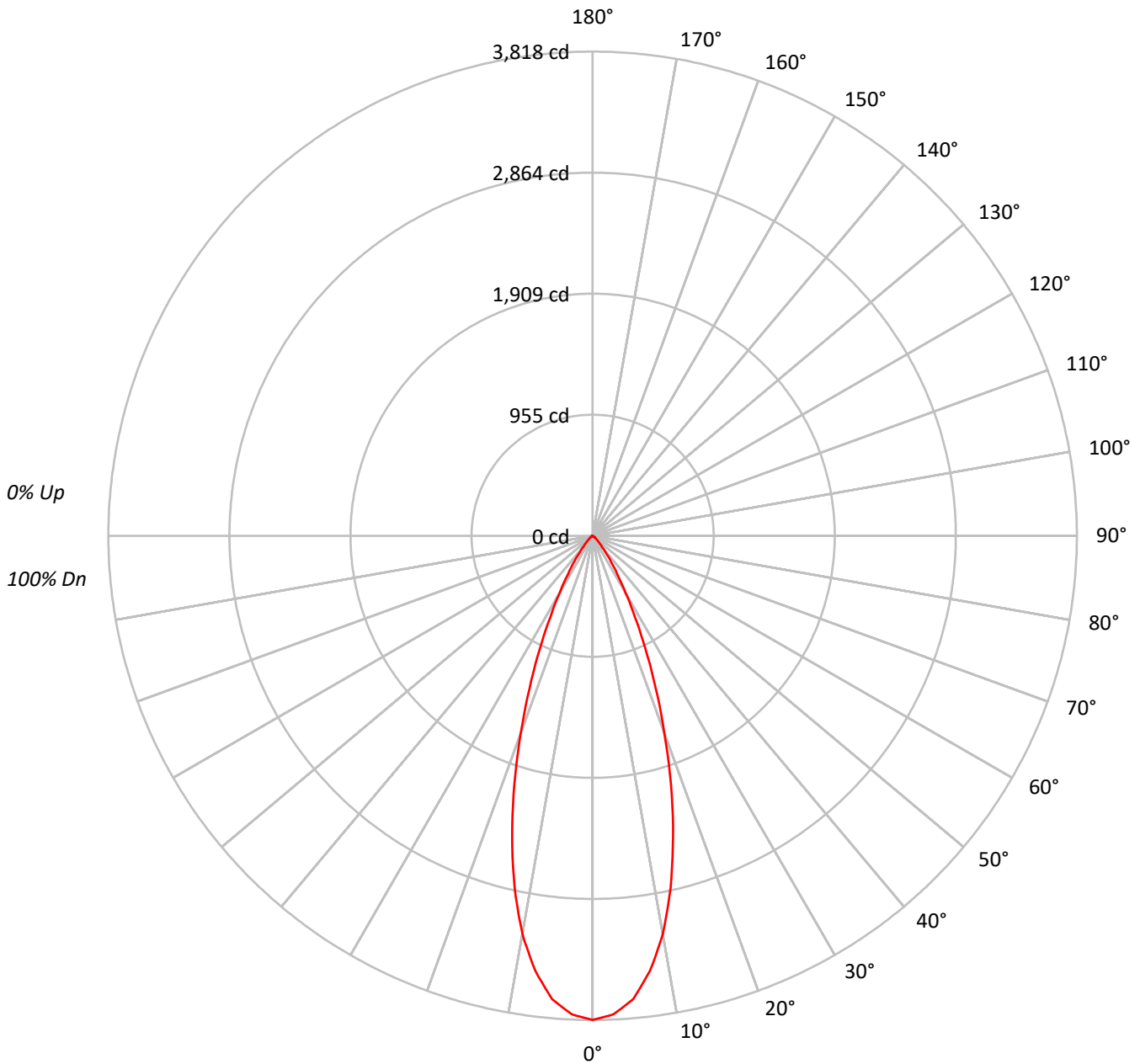
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20									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	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	99	98	97	95	95	95	92	90																	
	1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	93	92	90	86	86	86	81	77																	
	2	110	105	102	99	107	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90	91	88	86	86	86	81	77	77																	
	3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86	86	86	84	83	81	81	81	77	77	77																	
	4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	88	85	83	81	81	81	79	79	77	77	77	77	77	77																	
	5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77	77	77	75	75	74	74	74	74	74	74																	
	6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74	74	74	73	73	73	73	73	73	73	73																	
	7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70	70	70	72	72	72	72	72	72	72	72																	
	8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67	67	67	69	69	69	69	69	69	69	69																	
	9	83	75	70	66	82	74	69	66	73	69	66	72	69	66	72	68	65	64	64	64	66	66	66	66	66	66	66	66																	
	10	80	72	67	63	79	71	66	63	70	66	63	70	66	63	69	65	63	62	62	62	63	63	63	63	63	63	63	63																	

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

	0°
0°	1478848
5°	1425862
10°	1254066
15°	982916
20°	680798
25°	419440
30°	233385
35°	124505
40°	61739
45°	31443
50°	17295
55°	11345
60°	5578
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	334.5	19.7
10°-20°	669.5	39.4
20°-30°	457.4	26.9
30°-40°	174.4	10.3
40°-50°	48.4	2.8
50°-60°	15.1	0.9
60°-70°	1.4	0.1
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°	1461.3	85.9
0°-40°	1635.7	96.2
0°-60°	1699.2	99.9
0°-90°	1700.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1700.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3818	
5°	3667	334
15°	2451	670
25°	981	457
35°	263	174
45°	57	48
55°	17	15
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3817.9
2.5°	3777.2
5°	3667.1
7.5°	3461.3
10°	3188.4
12.5°	2841.3
15°	2451.1
17.5°	2051.4
20°	1651.6
22.5°	1297.4
25°	981.4
27.5°	720.5
30°	521.8
32.5°	371.0
35°	263.3
37.5°	184.3
40°	122.1
42.5°	81.4
45°	57.4
47.5°	40.7
50°	28.7
52.5°	21.5
55°	16.8
57.5°	12.0
60°	7.2
62.5°	2.4
65°	0.0
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°







(END OF REPORT)