

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: P280770

Luminaire Tested: **LDA2B208027D010 EU2B20WFL558027 2LBAD1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280770  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B208027D010 EU2B20WFL558027 2LBAD1H  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl, Self-Flanged, H  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2093.0 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

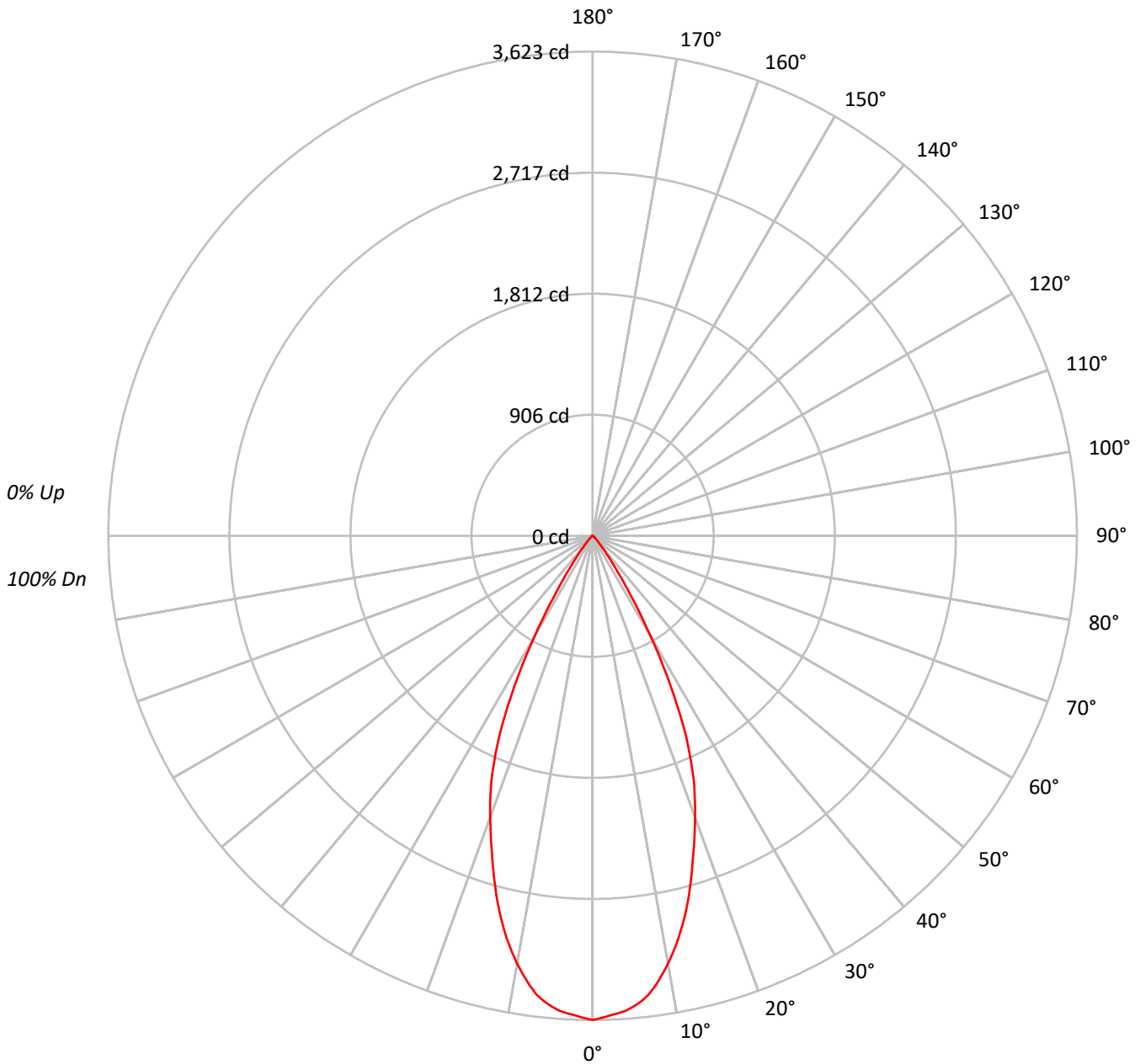
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20				
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	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85			
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76			
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72			
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69			
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65			
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62			
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59			

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

	0°
0°	1787499
5°	1751043
10°	1628362
15°	1421716
20°	1177105
25°	900270
30°	492664
35°	182371
40°	63116
45°	28467
50°	13432
55°	6709
60°	1875
65°	1167
70°	1442
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.5	15.7
10°-20°	769.3	36.8
20°-30°	727.2	34.7
30°-40°	223.9	10.7
40°-50°	35.4	1.7
50°-60°	7.5	0.4
60°-70°	1.1	0.1
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°	1825.1	87.2
0°-40°	2048.9	97.9
0°-60°	2091.8	99.9
0°-90°	2093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2093.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3623	
5°	3536	329
15°	2784	769
25°	1654	727
35°	303	224
45°	41	35
55°	8	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3623.1
1°	3609.5
2°	3593.0
3°	3579.4
4°	3561.9
5°	3535.7
6°	3501.8
7°	3456.1
8°	3395.0
9°	3324.1
10°	3250.4
11°	3168.9
12°	3082.5
13°	2988.3
14°	2890.3
15°	2783.5
17.5°	2501.1
20°	2242.0
22.5°	1979.0
25°	1653.8
27.5°	1261.7
30°	864.8
32.5°	530.9
35°	302.8
37.5°	168.9
40°	98.0
42.5°	61.1
45°	40.8
47.5°	27.2
50°	17.5
52.5°	11.6
55°	7.8
57.5°	4.9
60°	1.9
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)