

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: P280781

Luminaire Tested: **LDA2B208027D010 EU2B20WFL558027 2LBALD1B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280781  
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 2LBALD1B  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl w/lens Self-Flanged, B  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2056.7 lumens  
Efficiency: N/A  
Efficacy: 99.8 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

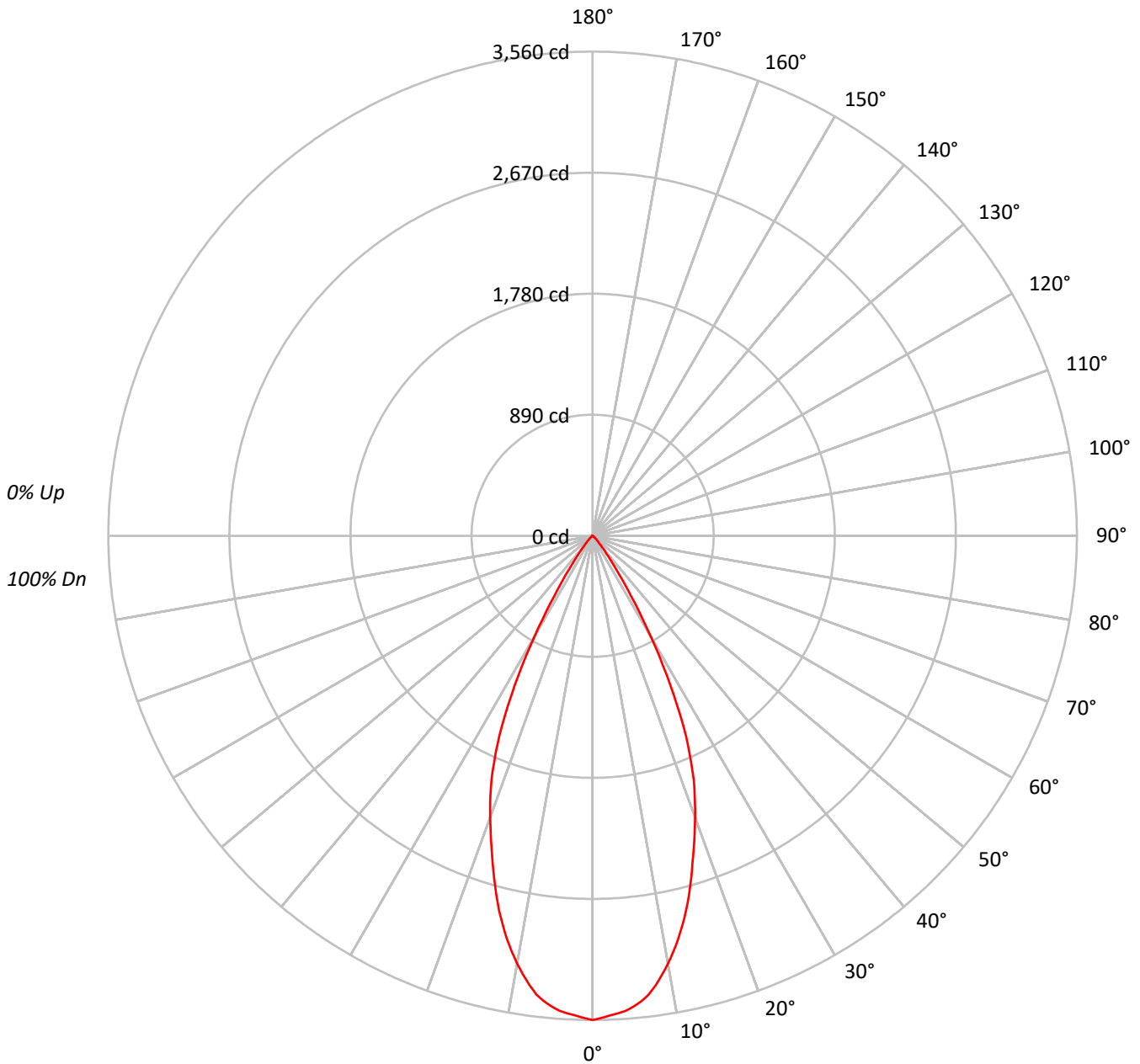
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
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°	1756467
5°	1720634
10°	1600057
15°	1397046
20°	1156629
25°	884647
30°	484061
35°	179240
40°	62021
45°	27979
50°	13202
55°	6537
60°	1875
65°	1167
70°	1442
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.8	15.7
10°-20°	756.0	36.8
20°-30°	714.5	34.7
30°-40°	220.0	10.7
40°-50°	34.8	1.7
50°-60°	7.4	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°	1793.3	87.2
0°-40°	2013.3	97.9
0°-60°	2055.4	99.9
0°-90°	2056.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2056.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3560	
5°	3474	323
15°	2735	756
25°	1625	715
35°	298	220
45°	40	35
55°	8	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3560.2
1°	3546.8
2°	3530.6
3°	3517.2
4°	3500.1
5°	3474.3
6°	3440.9
7°	3396.1
8°	3336.0
9°	3266.4
10°	3193.9
11°	3113.8
12°	3028.9
13°	2936.4
14°	2840.1
15°	2735.2
17.5°	2457.7
20°	2203.0
22.5°	1944.6
25°	1625.1
27.5°	1239.8
30°	849.7
32.5°	521.7
35°	297.6
37.5°	165.9
40°	96.3
42.5°	60.1
45°	40.1
47.5°	26.7
50°	17.2
52.5°	11.4
55°	7.6
57.5°	4.8
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)