

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: P280830

Luminaire Tested: **LDA2B208040D010 EU2B20WFL558040 2LBALD1WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280830  
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: LDA2B208040D010 EU2B20WFL558040 2LBALD1WMH  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl w/lens Self-Flanged, WMH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2231.1 lumens  
Efficiency: N/A  
Efficacy: 108.3 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

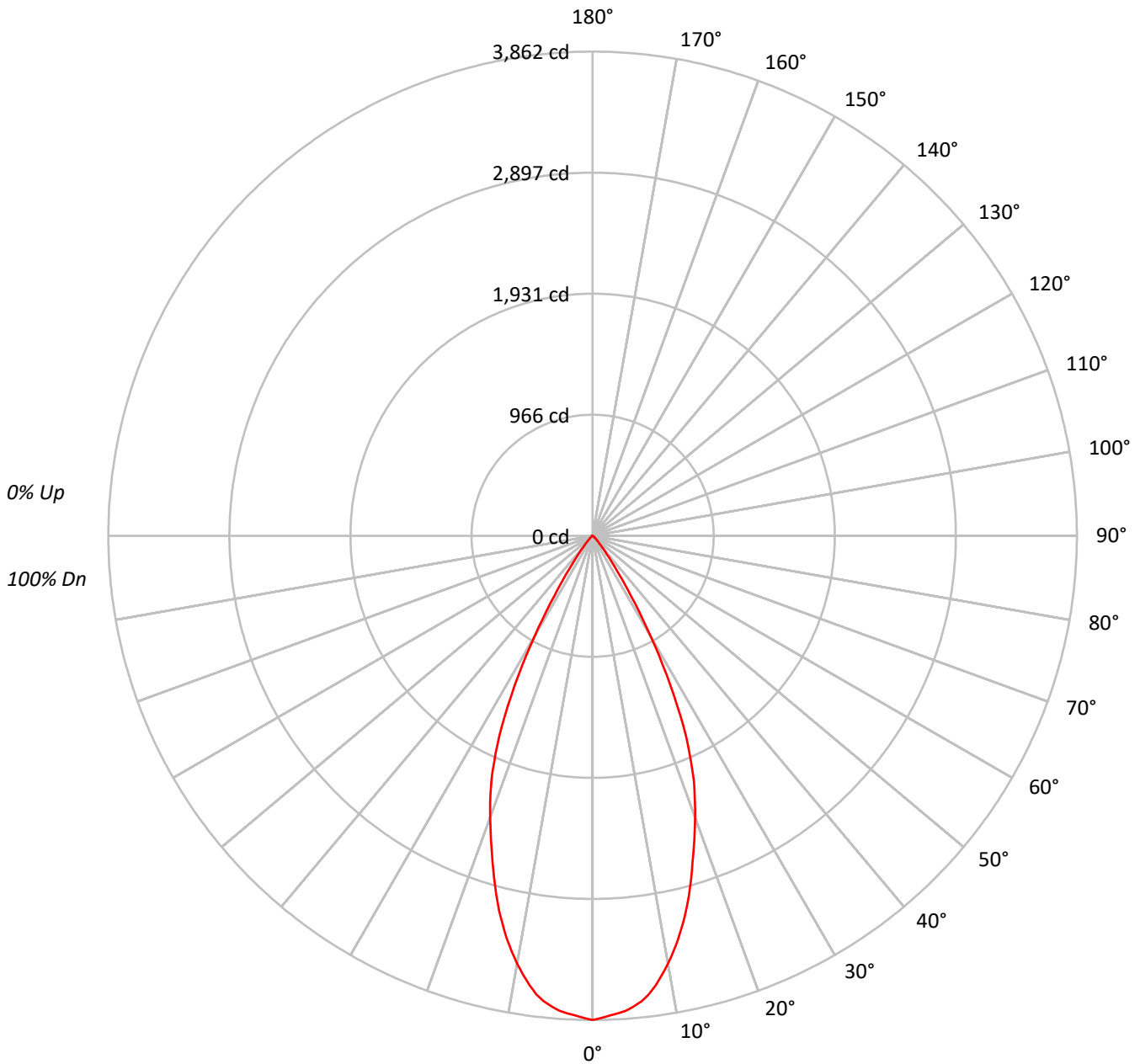
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P280830

CATALOG NUMBER: LDA2B208040D010 EU2B20WFL558040 2LBALD1WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P280830

CATALOG NUMBER: LDA2B208040D010 EU2B20WFL558040 2LBALD1WMH

**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	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°	1905462
5°	1866633
10°	1735820
15°	1515595
20°	1254809
25°	959715
30°	525136
35°	194417
40°	67302
45°	30351
50°	14276
55°	7139
60°	2072
65°	1167
70°	1442
75°	0
80°	0
85°	0



TEST NUMBER: P280830

CATALOG NUMBER: LDA2B208040D010 EU2B20WFL558040 2LBALD1WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.2	15.7
10°-20°	820.1	36.8
20°-30°	775.2	34.7
30°-40°	238.6	10.7
40°-50°	37.7	1.7
50°-60°	8.0	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°	1945.5	87.2
0°-40°	2184.1	97.9
0°-60°	2229.9	99.9
0°-90°	2231.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2231.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3862	
5°	3769	350
15°	2967	820
25°	1763	775
35°	323	239
45°	44	38
55°	8	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280830

CATALOG NUMBER: LDA2B208040D010 EU2B20WFL558040 2LBALD1WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3862.2
1°	3847.7
2°	3830.1
3°	3815.7
4°	3797.0
5°	3769.1
6°	3732.9
7°	3684.3
8°	3619.1
9°	3543.6
10°	3464.9
11°	3378.0
12°	3285.9
13°	3185.6
14°	3081.1
15°	2967.3
17.5°	2666.2
20°	2390.0
22.5°	2109.6
25°	1763.0
27.5°	1345.0
30°	921.8
32.5°	565.9
35°	322.8
37.5°	180.0
40°	104.5
42.5°	65.2
45°	43.5
47.5°	29.0
50°	18.6
52.5°	12.4
55°	8.3
57.5°	5.2
60°	2.1
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



TEST NUMBER: P280830

CATALOG NUMBER: LDA2B208040D010 EU2B20WFL558040 2LBALD1WMH

**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)