

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: P279940

Luminaire Tested: **LDA2B208050D010 EU2B20FL408050 2LBAD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P279940  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA2B208050D010 EU2B20FL408050 2LBAD1MW  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in  
ADJ spun Refl, Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2251.1 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

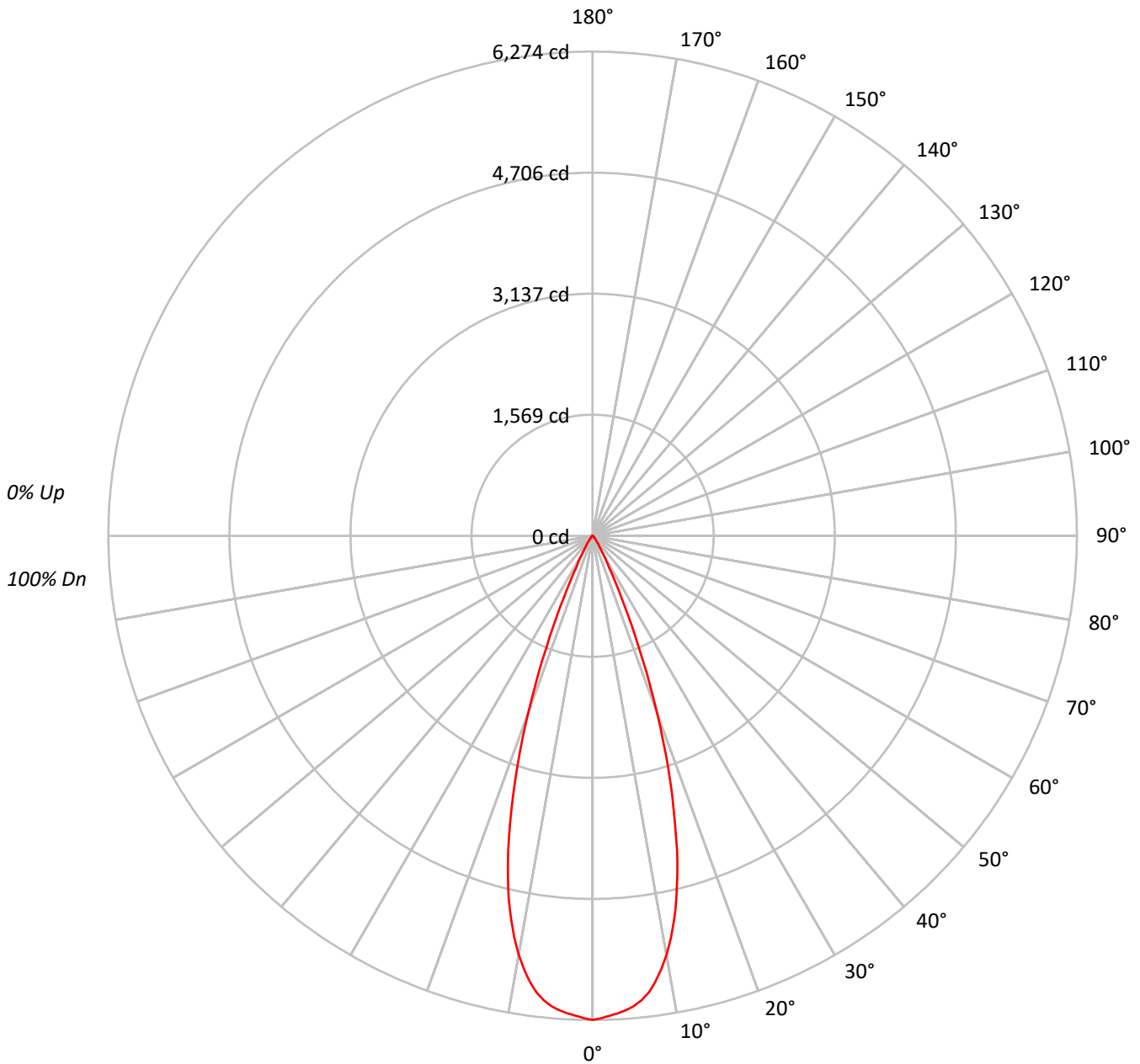
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									20									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																												
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																												
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																												
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89																												
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85																												
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82																												
6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79																												
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																												
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																												
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72																												
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69																												

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

	0°
0°	3095451
5°	3029967
10°	2761612
15°	2157372
20°	1277280
25°	474795
30°	148346
35°	65950
40°	30592
45°	14443
50°	7906
55°	4473
60°	2072
65°	1167
70°	1442
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	565.5	25.1
10°-20°	1124.7	50.0
20°-30°	460.6	20.5
30°-40°	76.2	3.4
40°-50°	18.0	0.8
50°-60°	4.8	0.2
60°-70°	1.1	0.0
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°	2150.8	95.5
0°-40°	2227.0	98.9
0°-60°	2249.9	99.9
0°-90°	2251.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2251.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6274	
5°	6118	566
15°	4224	1125
25°	872	461
35°	110	76
45°	21	18
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6274.2
1°	6252.5
2°	6223.6
3°	6197.7
4°	6163.6
5°	6118.1
6°	6051.0
7°	5963.1
8°	5838.1
9°	5686.1
10°	5512.5
11°	5311.0
12°	5083.6
13°	4824.2
14°	4535.9
15°	4223.8
17.5°	3349.5
20°	2432.8
22.5°	1557.4
25°	872.2
27.5°	459.9
30°	260.4
32.5°	165.4
35°	109.5
37.5°	72.3
40°	47.5
42.5°	31.0
45°	20.7
47.5°	14.5
50°	10.3
52.5°	7.2
55°	5.2
57.5°	3.1
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



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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)