

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: P280316

Luminaire Tested: **LDA2B05D2WD010 EU2B05WFL55D2W 2LBALD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280316  
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: LDA2B05D2WD010 EU2B05WFL55D2W 2LBALD1MW  
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl w/lens Self-Flanged, MW  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 630.7 lumens  
Efficiency: N/A  
Efficacy: 90.1 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

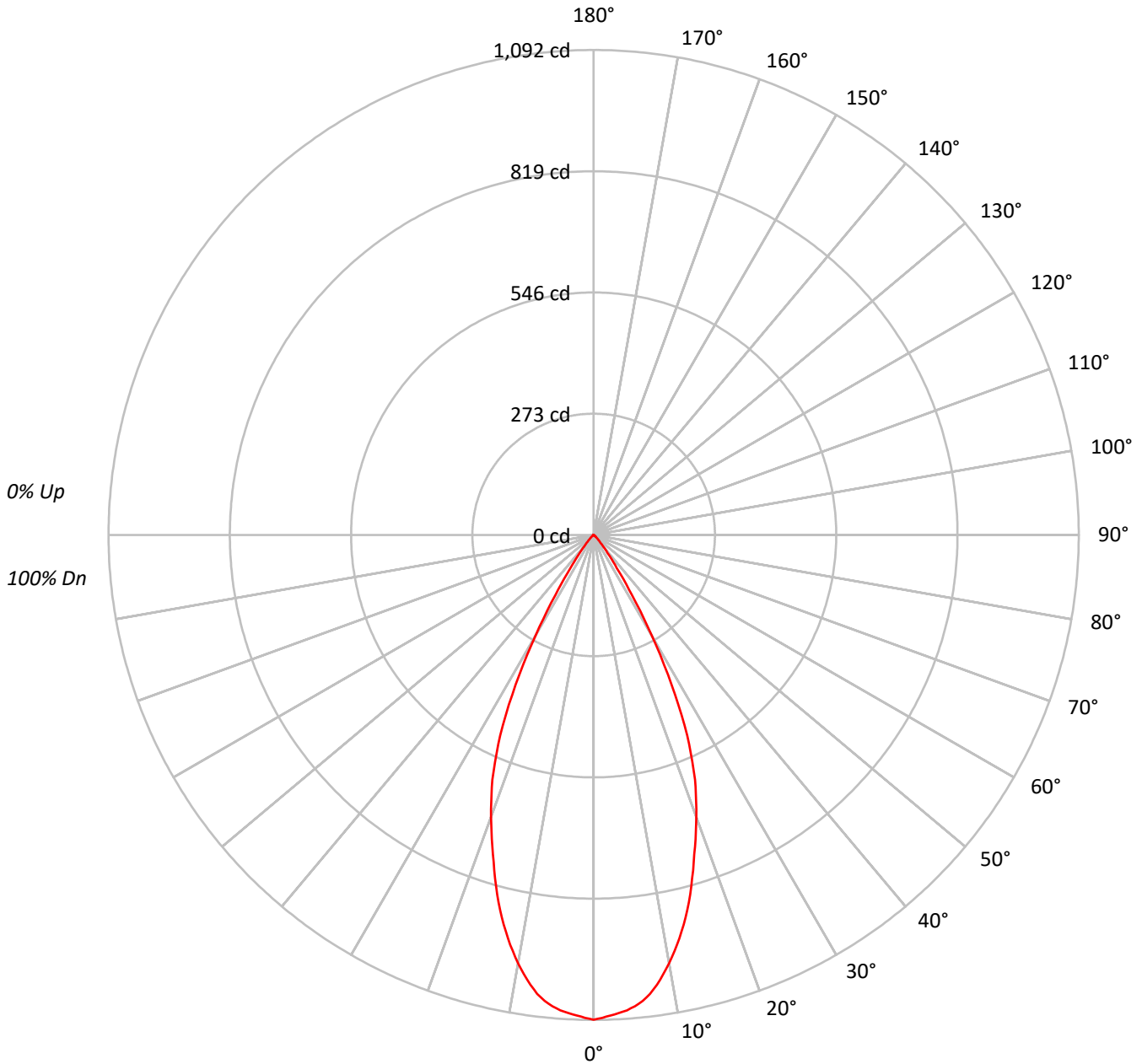
Input Watts (W): 7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
RC	80									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°	538603
5°	527635
10°	490653
15°	428379
20°	354654
25°	271257
30°	148460
35°	54928
40°	18999
45°	8582
50°	4068
55°	1978
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.0	15.7
10°-20°	231.8	36.8
20°-30°	219.1	34.7
30°-40°	67.5	10.7
40°-50°	10.7	1.7
50°-60°	2.3	0.4
60°-70°	0.3	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°	549.9	87.2
0°-40°	617.4	97.9
0°-60°	630.3	99.9
0°-90°	630.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	630.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1092	
5°	1065	99
15°	839	232
25°	498	219
35°	91	67
45°	12	11
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1091.7
1°	1087.6
2°	1082.6
3°	1078.5
4°	1073.3
5°	1065.4
6°	1055.1
7°	1041.4
8°	1023.0
9°	1001.6
10°	979.4
11°	954.8
12°	928.8
13°	900.4
14°	870.9
15°	838.7
17.5°	753.6
20°	675.5
22.5°	596.3
25°	498.3
27.5°	380.2
30°	260.6
32.5°	160.0
35°	91.2
37.5°	50.9
40°	29.5
42.5°	18.4
45°	12.3
47.5°	8.2
50°	5.3
52.5°	3.5
55°	2.3
57.5°	1.5
60°	0.6
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
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)