

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: P280754

Luminaire Tested: **LDA2B15D2WD010 EU2B15WFL55D2W 2LBAD1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280754  
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: LDA2B15D2WD010 EU2B15WFL55D2W 2LBAD1H  
Description: PORTFOLIO 2IN ADJ 1500 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: 1147.2 lumens  
Efficiency: N/A  
Efficacy: 81.4 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

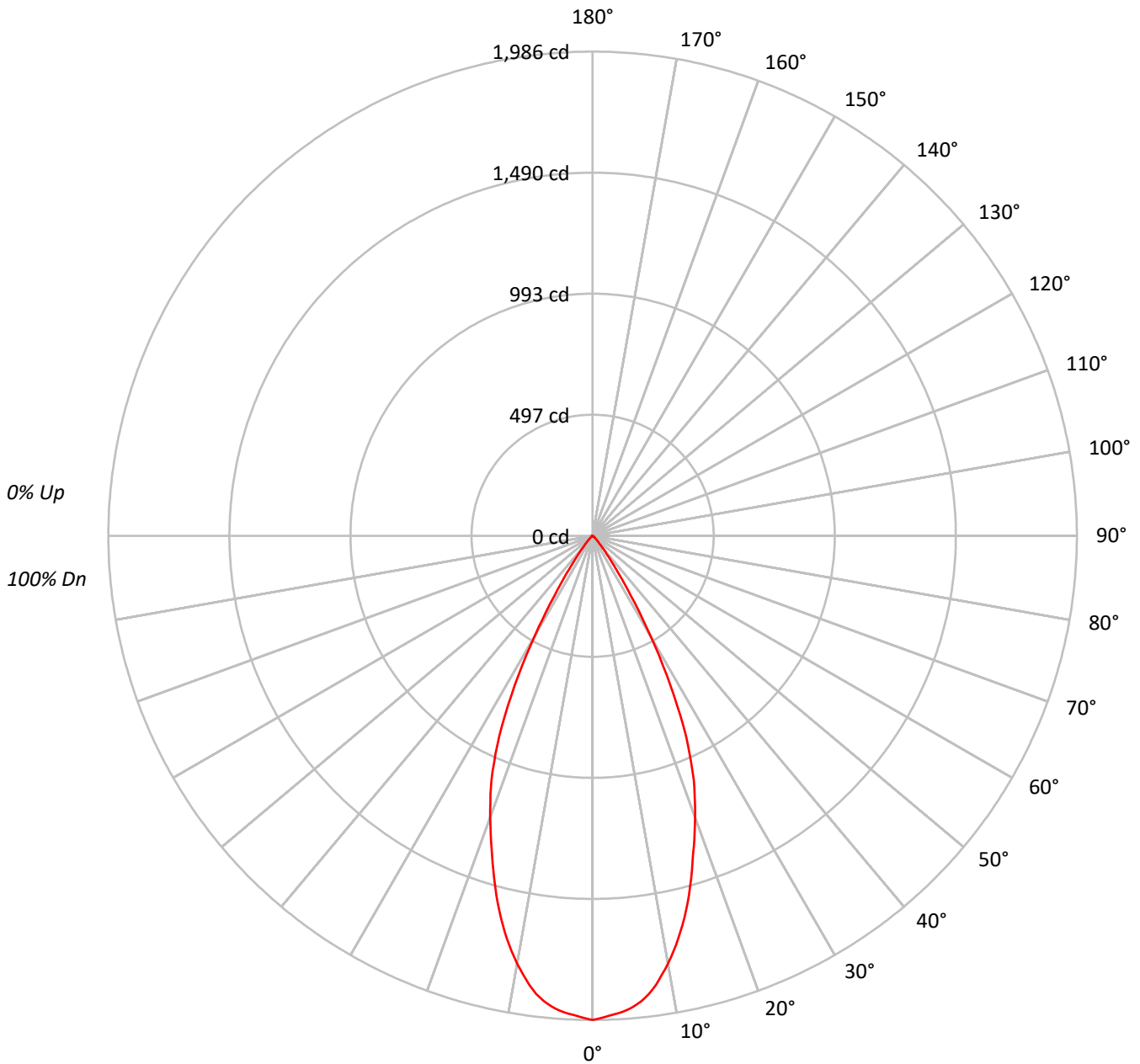
Input Watts (W): 14.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	95	93	91	88	86	85	85	80	95																			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	88	86	85	85	80	90	90	90																				
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85	85	80	85	80	85	80	85	80	85																			
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80	78	76	74	72	70	68	65	70																				
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	74	72	70	68	65	62	60	65																				
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72	70	68	65	62	60	58	55	60																				
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	68	65	62	60	58	55	52	50	55																				
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	62	60	58	55	52	50	48	50																				
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62	60	58	55	52	50	48	46	48																				
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59	57	55	52	50	48	46	44	46																				

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

	0°
0°	979767
5°	959787
10°	892533
15°	779275
20°	645203
25°	493466
30°	270031
35°	99979
40°	34585
45°	15559
50°	7368
55°	3699
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.1	15.7
10°-20°	421.7	36.8
20°-30°	398.6	34.7
30°-40°	122.7	10.7
40°-50°	19.4	1.7
50°-60°	4.1	0.4
60°-70°	0.6	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°	1000.4	87.2
0°-40°	1123.1	97.9
0°-60°	1146.6	99.9
0°-90°	1147.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1147.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1986	
5°	1938	180
15°	1526	422
25°	906	399
35°	166	123
45°	22	19
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1985.9
1°	1978.5
2°	1969.4
3°	1962.0
4°	1952.4
5°	1938.0
6°	1919.4
7°	1894.4
8°	1860.9
9°	1822.1
10°	1781.6
11°	1736.9
12°	1689.6
13°	1638.0
14°	1584.3
15°	1525.7
17.5°	1370.9
20°	1228.9
22.5°	1084.7
25°	906.5
27.5°	691.6
30°	474.0
32.5°	291.0
35°	166.0
37.5°	92.6
40°	53.7
42.5°	33.5
45°	22.3
47.5°	14.9
50°	9.6
52.5°	6.4
55°	4.3
57.5°	2.7
60°	1.1
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
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)