

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: P280812

Luminaire Tested: **LDA2B208035D010 EU2B20WFL558035 2LBALD1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280812  
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: LDA2B208035D010 EU2B20WFL558035 2LBALD1MW  
Description: PORTFOLIO 2IN ADJ 2000 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: 2143.5 lumens  
Efficiency: N/A  
Efficacy: 104.1 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

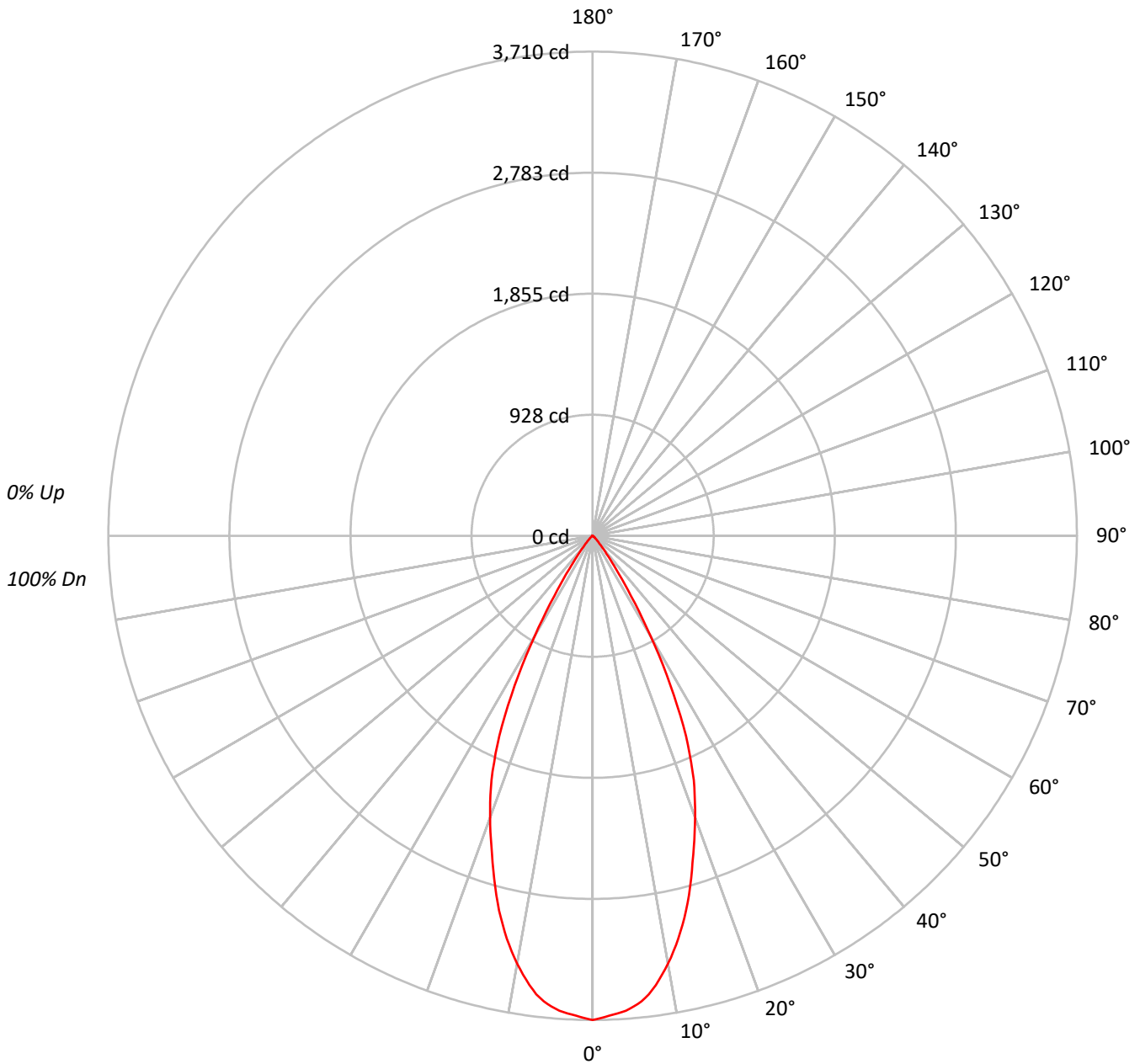
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95			95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85			85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80			80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76			76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72			72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69			69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65			65
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62			62
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59			59

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

	0°
0°	1830619
5°	1793287
10°	1667638
15°	1456040
20°	1205509
25°	921990
30°	504513
35°	186768
40°	64661
45°	29095
50°	13739
55°	6881
60°	1973
65°	1167
70°	1442
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.5	15.7
10°-20°	787.9	36.8
20°-30°	744.7	34.7
30°-40°	229.2	10.7
40°-50°	36.2	1.7
50°-60°	7.7	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°	1869.1	87.2
0°-40°	2098.3	97.9
0°-60°	2142.2	99.9
0°-90°	2143.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2143.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3710	
5°	3621	336
15°	2851	788
25°	1694	745
35°	310	229
45°	42	36
55°	8	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3710.5
1°	3696.5
2°	3679.6
3°	3665.7
4°	3647.8
5°	3621.0
6°	3586.2
7°	3539.5
8°	3476.9
9°	3404.3
10°	3328.8
11°	3245.3
12°	3156.8
13°	3060.4
14°	2960.0
15°	2850.7
17.5°	2561.4
20°	2296.1
22.5°	2026.7
25°	1693.7
27.5°	1292.2
30°	885.6
32.5°	543.7
35°	310.1
37.5°	172.9
40°	100.4
42.5°	62.6
45°	41.7
47.5°	27.8
50°	17.9
52.5°	11.9
55°	8.0
57.5°	5.0
60°	2.0
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)