

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: P280968

Luminaire Tested: **LDA2B209730D010 EU2B20WFL559730 2LBAD1WHH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P280968  
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: LDA2B209730D010 EU2B20WFL559730 2LBAD1WHH  
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND  
2in ADJ spun Refl, Self-Flanged, WHH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1590.8 lumens  
Efficiency: N/A  
Efficacy: 77.2 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

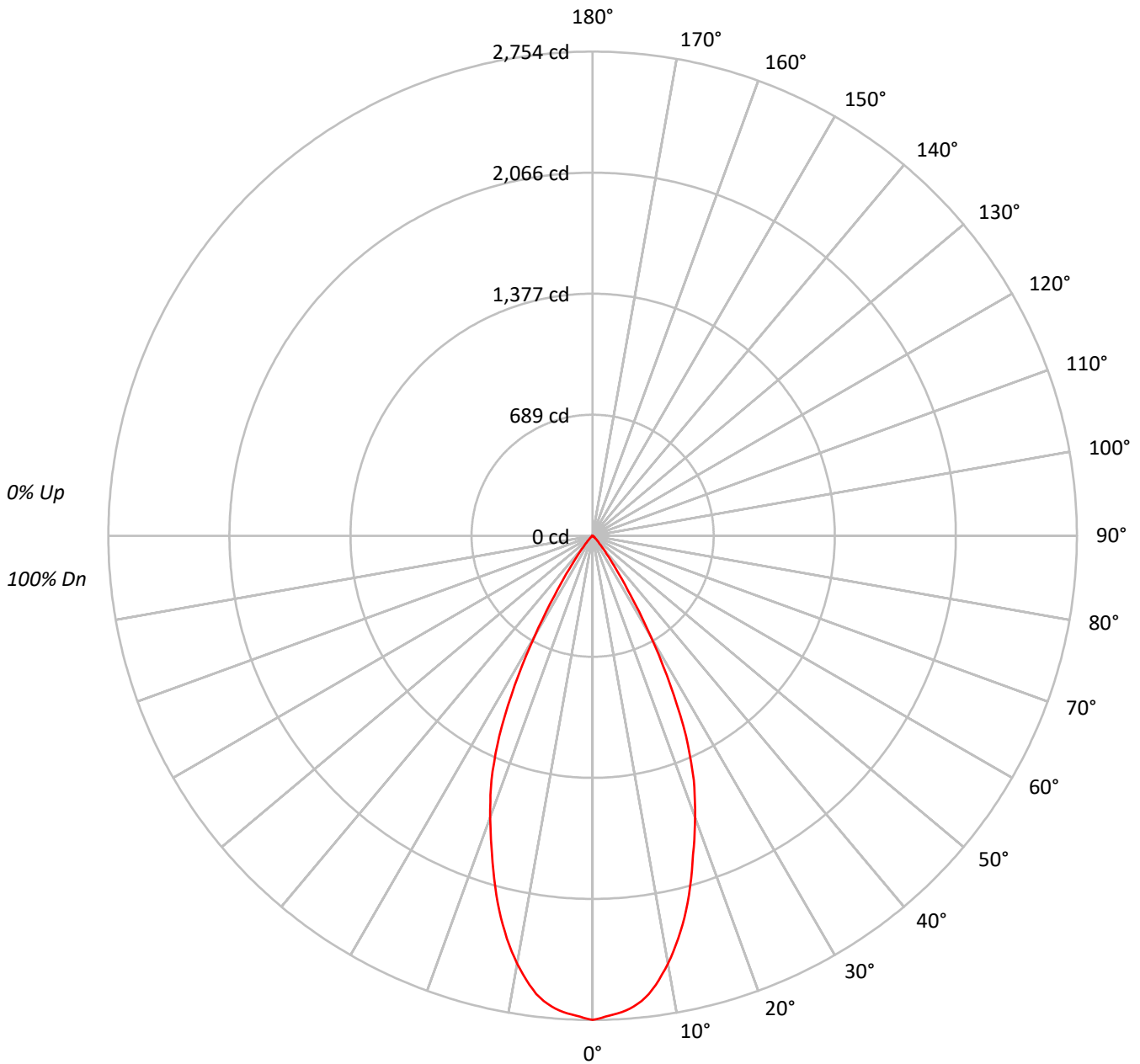
Input Watts (W): 20.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	1358570
5°	1330876
10°	1237603
15°	1080576
20°	894642
25°	684266
30°	374454
35°	138646
40°	47981
45°	21629
50°	10208
55°	5075
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.7	15.7
10°-20°	584.7	36.8
20°-30°	552.7	34.7
30°-40°	170.2	10.7
40°-50°	26.9	1.7
50°-60°	5.7	0.4
60°-70°	0.8	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°	1387.1	87.2
0°-40°	1557.3	97.9
0°-60°	1589.9	99.9
0°-90°	1590.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1590.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2754	
5°	2687	250
15°	2116	585
25°	1257	553
35°	230	170
45°	31	27
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2753.7
1°	2743.4
2°	2730.8
3°	2720.5
4°	2707.2
5°	2687.3
6°	2661.5
7°	2626.8
8°	2580.3
9°	2526.5
10°	2470.4
11°	2408.5
12°	2342.8
13°	2271.3
14°	2196.8
15°	2115.6
17.5°	1901.0
20°	1704.0
22.5°	1504.1
25°	1257.0
27.5°	959.0
30°	657.3
32.5°	403.5
35°	230.2
37.5°	128.4
40°	74.5
42.5°	46.5
45°	31.0
47.5°	20.7
50°	13.3
52.5°	8.9
55°	5.9
57.5°	3.7
60°	1.5
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
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)