

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: P280041

Luminaire Tested: **LDA2B209050D010 EU2B20FL409050 2LBAD1GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280041
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: LDA2B209050D010 EU2B20FL409050 2LBAD1GPH
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl, Self-Flanged, GPH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1866.0 lumens
Efficiency: N/A
Efficacy: 90.6 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

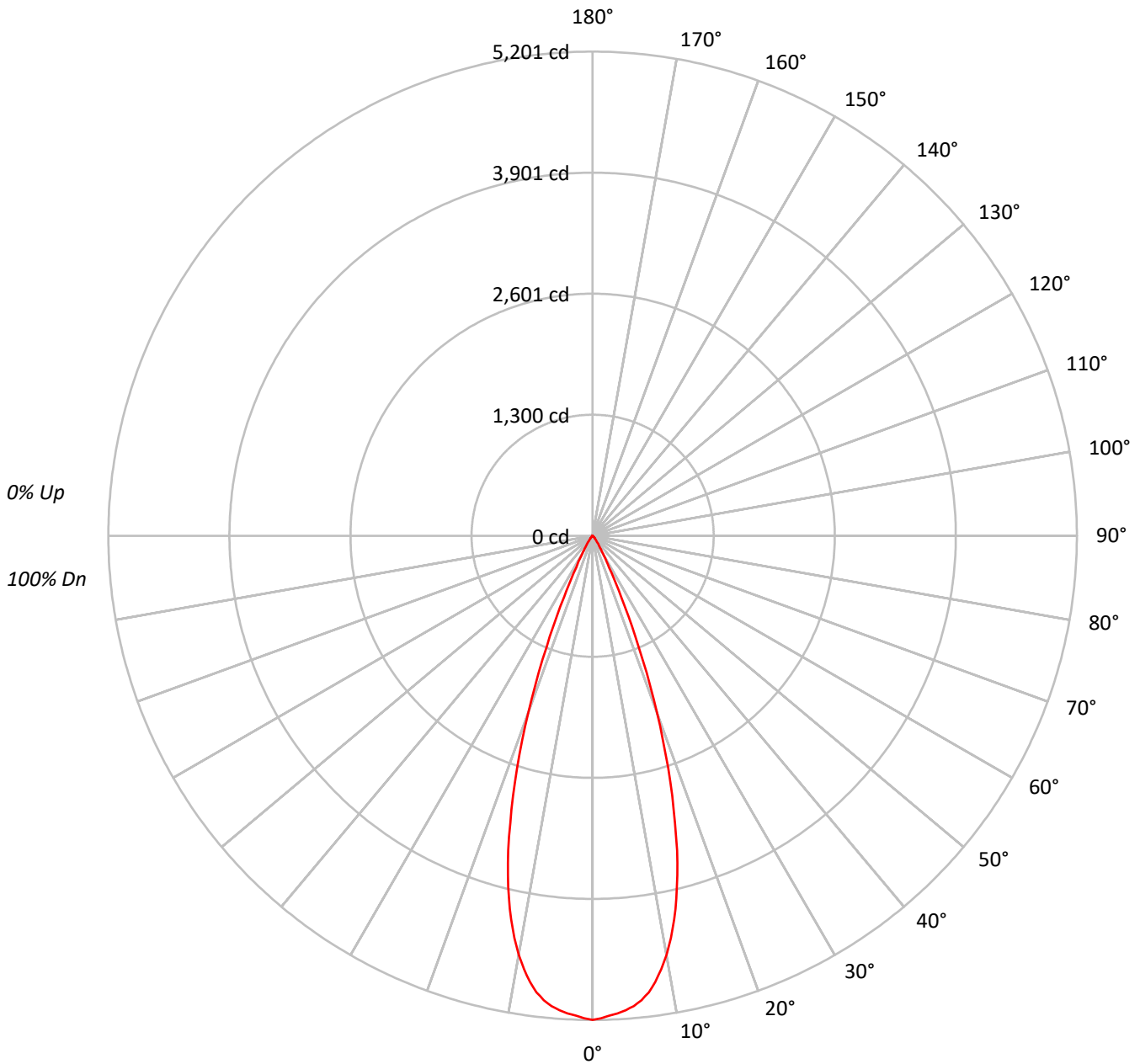
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	81	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°	2565777
5°	2511493
10°	2289095
15°	1788191
20°	1058712
25°	393576
30°	122995
35°	54687
40°	25375
45°	11931
50°	6601
55°	3699
60°	1677
65°	1051
70°	1298
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.8	25.1
10°-20°	932.2	50.0
20°-30°	381.8	20.5
30°-40°	63.2	3.4
40°-50°	14.9	0.8
50°-60°	4.0	0.2
60°-70°	1.0	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°	1782.8	95.5
0°-40°	1846.0	98.9
0°-60°	1864.9	99.9
0°-90°	1866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1866.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5201	
5°	5071	469
15°	3501	932
25°	723	382
35°	91	63
45°	17	15
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5200.6
1°	5182.6
2°	5158.6
3°	5137.2
4°	5108.9
5°	5071.2
6°	5015.6
7°	4942.7
8°	4839.1
9°	4713.2
10°	4569.3
11°	4402.2
12°	4213.8
13°	3998.7
14°	3759.7
15°	3501.0
17.5°	2776.3
20°	2016.5
22.5°	1290.9
25°	723.0
27.5°	381.2
30°	215.9
32.5°	137.1
35°	90.8
37.5°	60.0
40°	39.4
42.5°	25.7
45°	17.1
47.5°	12.0
50°	8.6
52.5°	6.0
55°	4.3
57.5°	2.6
60°	1.7
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
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)