

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: P315168

Luminaire Tested: **LDA2B20NFL9030D010 PINW1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P315168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B20NFL9030D010 PINW1MMS
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in Adj PinHole, White oculus, matte metallic silver finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1481.5 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

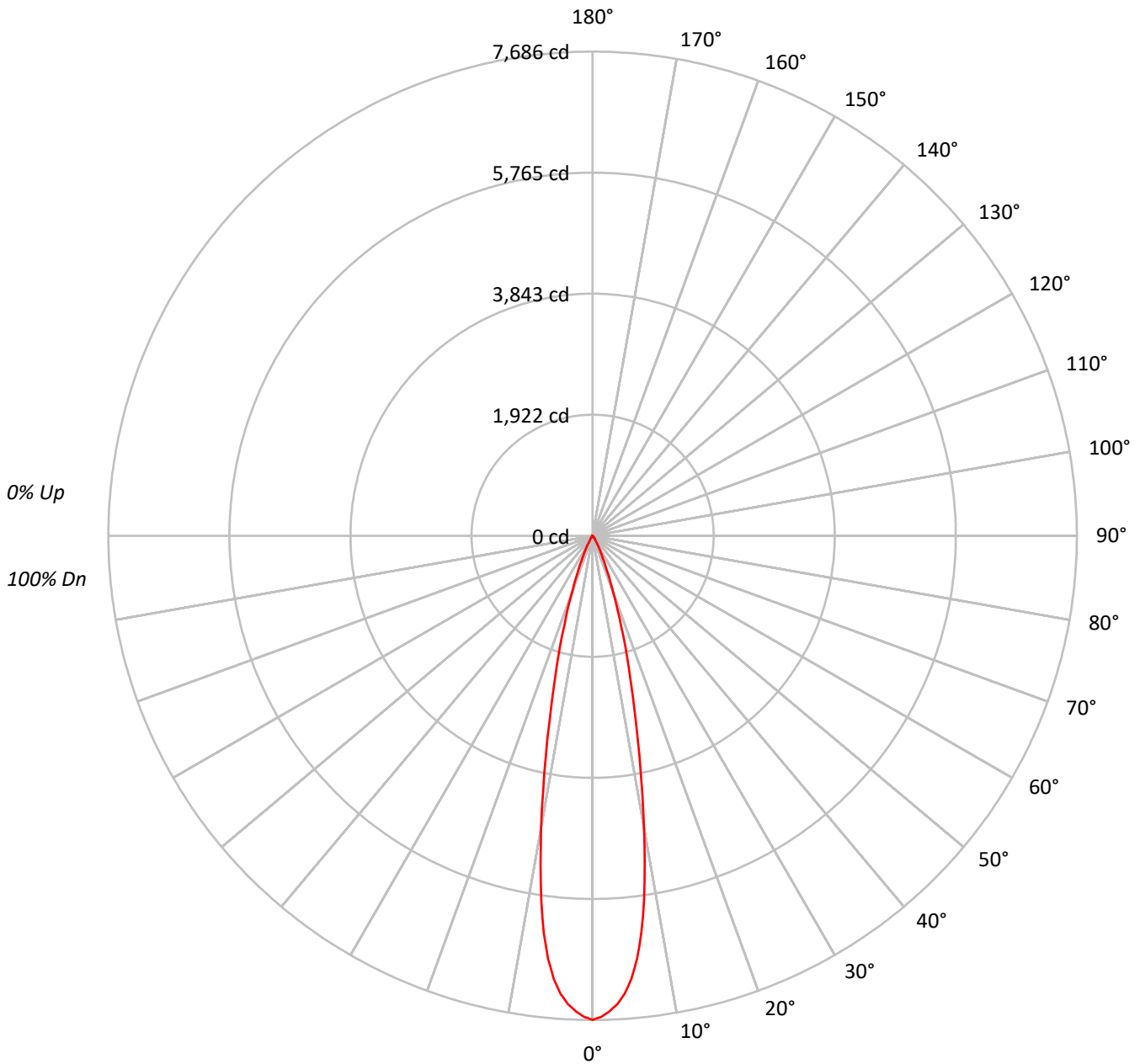
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P315168

CATALOG NUMBER: LDA2B20NFL9030D010 PINW1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P315168

CATALOG NUMBER: LDA2B20NFL9030D010 PINW1MMS

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	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	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97									97																		
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94									94																		
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91									91																		
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89									89																		
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86									86																		
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84									84																		
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82									82																		
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80									80																		
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78									78																		
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76									76																		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3791979
5°	3497133
10°	2356626
15°	1161941
20°	496306
25°	195100
30°	76794
35°	33668
40°	16230
45°	7814
50°	4298
55°	2408
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P315168

CATALOG NUMBER: LDA2B20NFL9030D010 PINW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.2	40.4
10°-20°	644.2	43.5
20°-30°	186.0	12.6
30°-40°	39.3	2.6
40°-50°	9.7	0.7
50°-60°	2.8	0.2
60°-70°	0.9	0.1
70°-80°	0.5	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°	1428.4	96.4
0°-40°	1467.6	99.1
0°-60°	1480.1	99.9
0°-90°	1481.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1481.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7686	
5°	7061	598
15°	2275	644
25°	358	186
35°	56	39
45°	11	10
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P315168

CATALOG NUMBER: LDA2B20NFL9030D010 PINW1MMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	7686.0
1°	7637.8
2°	7556.1
3°	7445.7
4°	7289.2
5°	7061.4
6°	6754.0
7°	6353.0
8°	5859.7
9°	5284.7
10°	4704.1
11°	4117.2
12°	3563.2
13°	3071.3
14°	2638.9
15°	2274.9
17.5°	1503.5
20°	945.3
22.5°	581.3
25°	358.4
27.5°	218.7
30°	134.8
32.5°	85.2
35°	55.9
37.5°	37.0
40°	25.2
42.5°	17.5
45°	11.2
47.5°	7.0
50°	5.6
52.5°	4.2
55°	2.8
57.5°	2.1
60°	1.4
62.5°	1.4
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.7
80°	0.0
82.5°	0.0



TEST NUMBER: P315168

CATALOG NUMBER: LDA2B20NFL9030D010 PINW1MMS

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)