

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: P314921

Luminaire Tested: **LDA2B05NFL9035D010 PIN1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P314921
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: LDA2B05NFL9035D010 PIN1MMS
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in Adj PinHole, Black oculus, matte metallic silver finish
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 605.1 lumens
Efficiency: N/A
Efficacy: 86.4 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

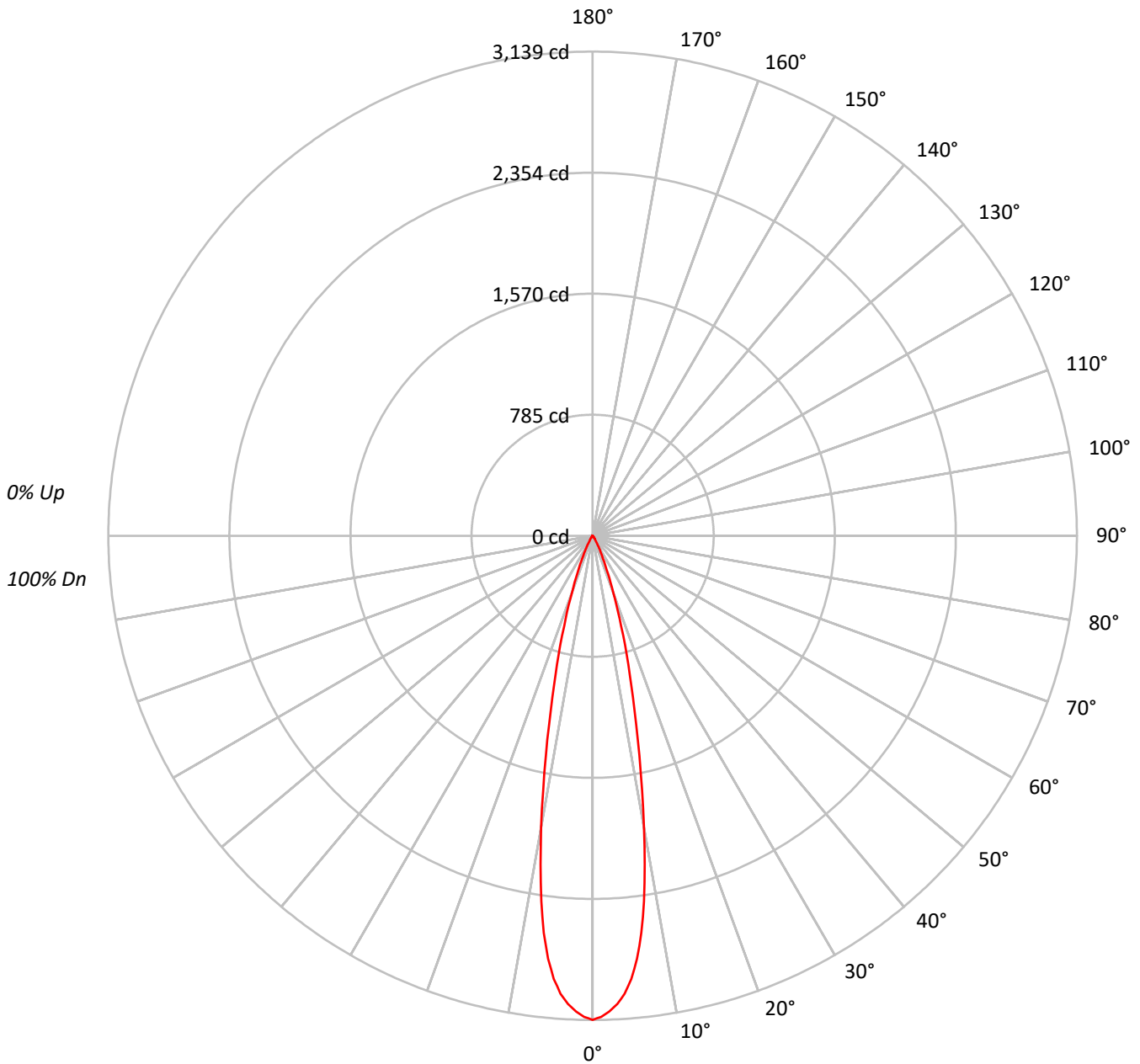
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	1548613
5°	1428191
10°	962419
15°	474501
20°	202660
25°	79695
30°	31390
35°	13732
40°	6634
45°	3210
50°	1765
55°	946
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.3	40.4
10°-20°	263.1	43.5
20°-30°	76.0	12.6
30°-40°	16.0	2.6
40°-50°	4.0	0.7
50°-60°	1.1	0.2
60°-70°	0.4	0.1
70°-80°	0.2	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°	583.3	96.4
0°-40°	599.4	99.1
0°-60°	604.5	99.9
0°-90°	605.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3139	
5°	2884	244
15°	929	263
25°	146	76
35°	23	16
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3138.9
1°	3119.2
2°	3085.8
3°	3040.7
4°	2976.8
5°	2883.8
6°	2758.2
7°	2594.5
8°	2393.0
9°	2158.2
10°	1921.1
11°	1681.4
12°	1455.2
13°	1254.3
14°	1077.7
15°	929.0
17.5°	614.0
20°	386.0
22.5°	237.4
25°	146.4
27.5°	89.3
30°	55.1
32.5°	34.8
35°	22.8
37.5°	15.1
40°	10.3
42.5°	7.1
45°	4.6
47.5°	2.9
50°	2.3
52.5°	1.7
55°	1.1
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.0
77.5°	0.3
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)