

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: P279502

Luminaire Tested: **LDA2B108050D010 EU2B10FL408050 2LBALD1WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279502
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: LDA2B108050D010 EU2B10FL408050 2LBALD1WMH
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, WMH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1192.6 lumens
Efficiency: N/A
Efficacy: 119.3 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

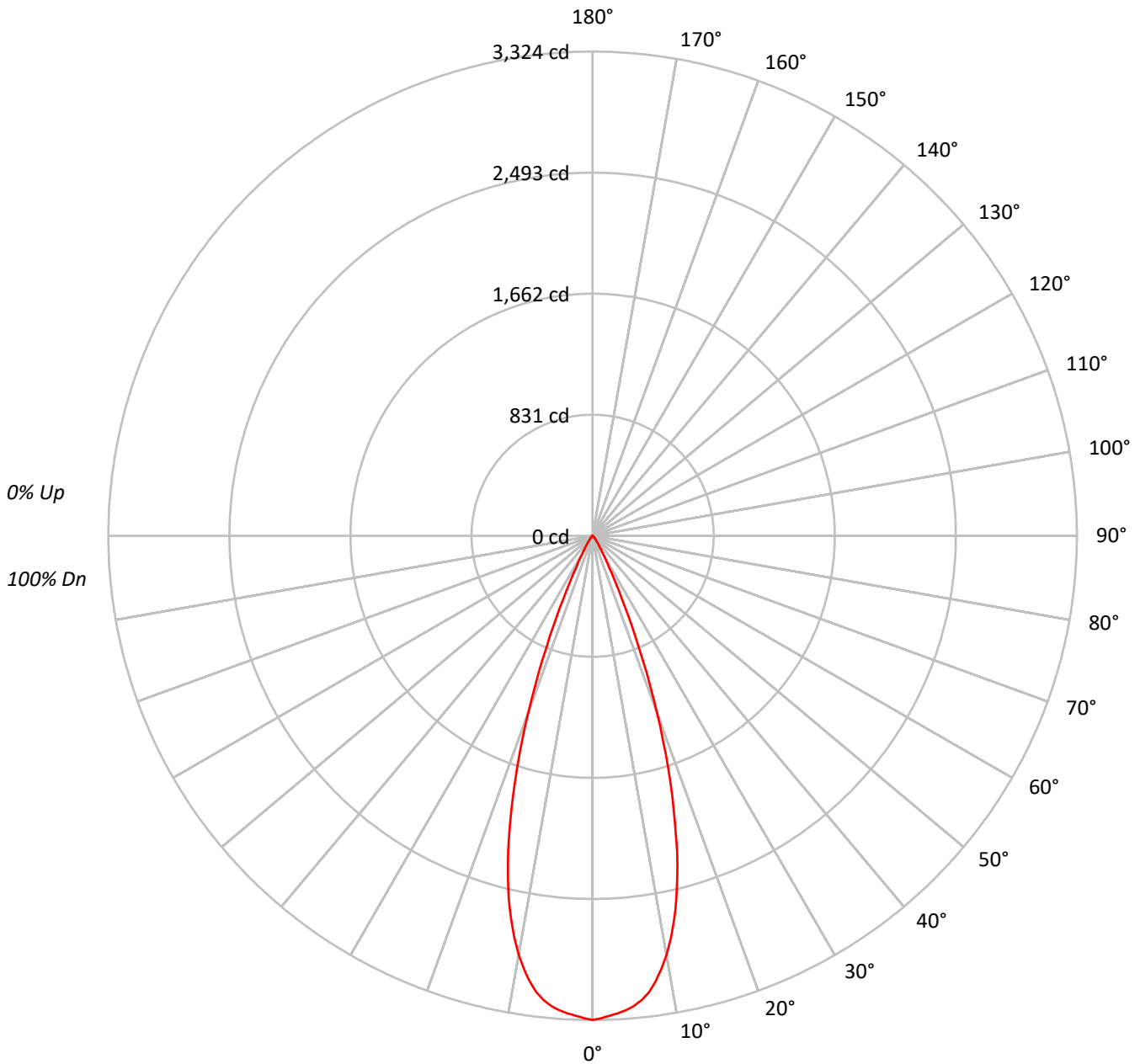
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279502

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 2LBALD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P279502

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 2LBALD1WMH

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			
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	84	82			
6	97	90	85	82	95	89	85	82	88	84	82	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	73	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1639984
5°	1605292
10°	1463091
15°	1142992
20°	676704
25°	251551
30°	78617
35°	34932
40°	16230
45°	7675
50°	4221
55°	2322
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P279502

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 2LBALD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.6	25.1
10°-20°	595.9	50.0
20°-30°	244.0	20.5
30°-40°	40.4	3.4
40°-50°	9.6	0.8
50°-60°	2.5	0.2
60°-70°	0.6	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°	1139.5	95.5
0°-40°	1179.9	98.9
0°-60°	1192.0	99.9
0°-90°	1192.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1192.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3324	
5°	3241	300
15°	2238	596
25°	462	244
35°	58	40
45°	11	10
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279502

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 2LBALD1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3324.1
1°	3312.6
2°	3297.2
3°	3283.6
4°	3265.5
5°	3241.4
6°	3205.8
7°	3159.3
8°	3093.0
9°	3012.5
10°	2920.5
11°	2813.8
12°	2693.3
13°	2555.9
14°	2403.1
15°	2237.8
17.5°	1774.6
20°	1288.9
22.5°	825.1
25°	462.1
27.5°	243.7
30°	138.0
32.5°	87.6
35°	58.0
37.5°	38.3
40°	25.2
42.5°	16.4
45°	11.0
47.5°	7.7
50°	5.5
52.5°	3.8
55°	2.7
57.5°	1.6
60°	1.1
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P279502

CATALOG NUMBER: LDA2B108050D010 EU2B10FL408050 2LBALD1WMH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)