

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: P279598

Luminaire Tested: **LDA2B109050D010 EU2B10FL409050 2LBALD1WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279598
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: LDA2B109050D010 EU2B10FL409050 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: 1002.2 lumens
Efficiency: N/A
Efficacy: 100.2 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

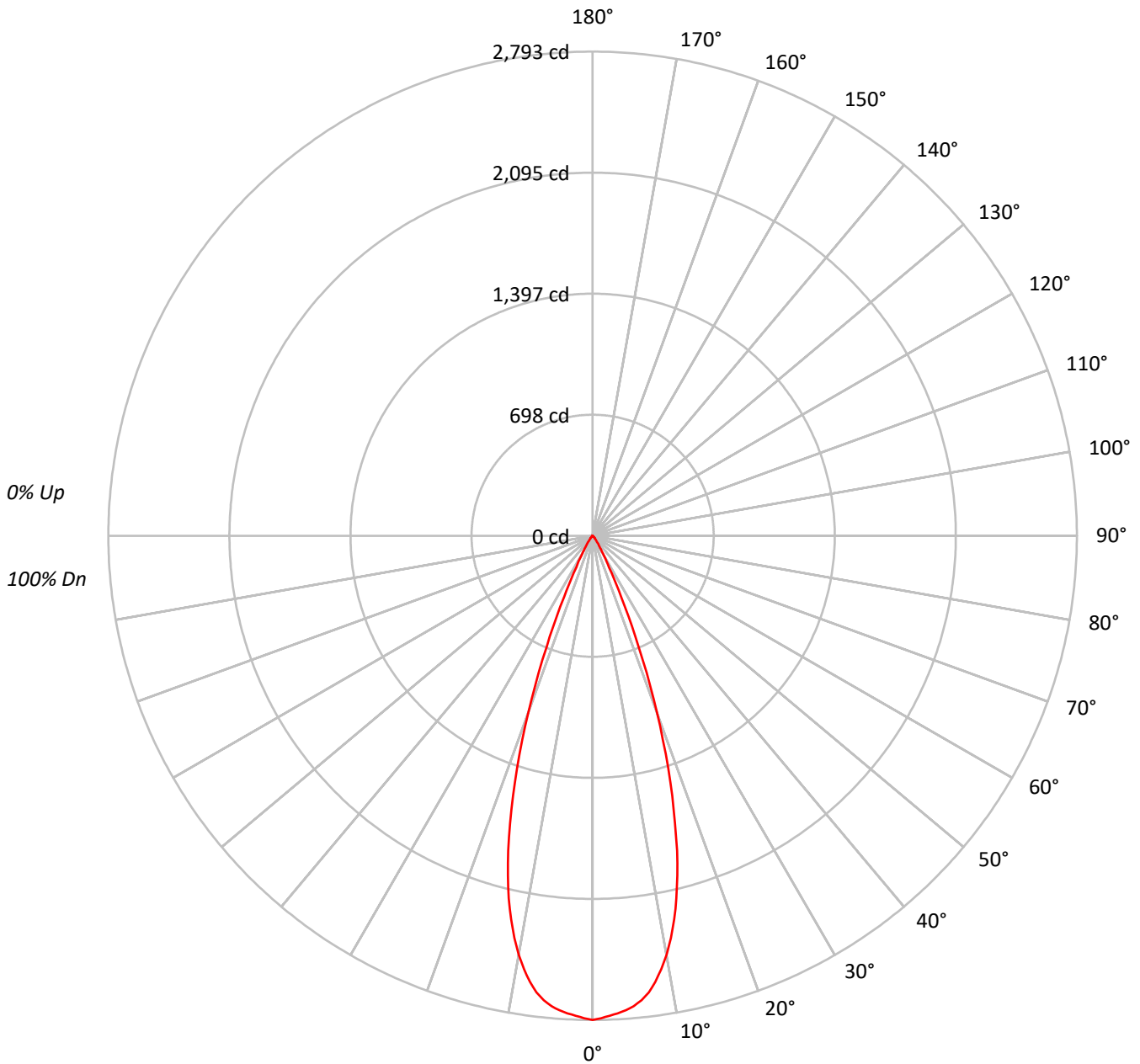
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279598

CATALOG NUMBER: LDA2B109050D010 EU2B10FL409050 2LBALD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P279598

CATALOG NUMBER: LDA2B109050D010 EU2B10FL409050 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	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°	1378058
5°	1348902
10°	1229437
15°	960444
20°	568602
25°	211377
30°	66027
35°	29391
40°	13654
45°	6419
50°	3531
55°	1978
60°	888
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P279598

CATALOG NUMBER: LDA2B109050D010 EU2B10FL409050 2LBALD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.8	25.1
10°-20°	500.7	50.0
20°-30°	205.0	20.5
30°-40°	33.9	3.4
40°-50°	8.0	0.8
50°-60°	2.1	0.2
60°-70°	0.5	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°	957.5	95.5
0°-40°	991.4	98.9
0°-60°	1001.6	99.9
0°-90°	1002.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2793	
5°	2724	252
15°	1880	501
25°	388	205
35°	49	34
45°	9	8
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279598

CATALOG NUMBER: LDA2B109050D010 EU2B10FL409050 2LBALD1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2793.2
1°	2783.5
2°	2770.6
3°	2759.1
4°	2743.9
5°	2723.7
6°	2693.8
7°	2654.7
8°	2599.0
9°	2531.4
10°	2454.1
11°	2364.4
12°	2263.2
13°	2147.7
14°	2019.3
15°	1880.4
17.5°	1491.1
20°	1083.0
22.5°	693.3
25°	388.3
27.5°	204.7
30°	115.9
32.5°	73.6
35°	48.8
37.5°	32.2
40°	21.2
42.5°	13.8
45°	9.2
47.5°	6.4
50°	4.6
52.5°	3.2
55°	2.3
57.5°	1.4
60°	0.9
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: P279598

CATALOG NUMBER: LDA2B109050D010 EU2B10FL409050 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)