

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: P279751

Luminaire Tested: **LDA2B159027D010 EU2B15FL409027 2LBAD1WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279751
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: LDA2B159027D010 EU2B15FL409027 2LBAD1WH
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl, Self-Flanged, WH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1196.4 lumens
Efficiency: N/A
Efficacy: 84.9 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

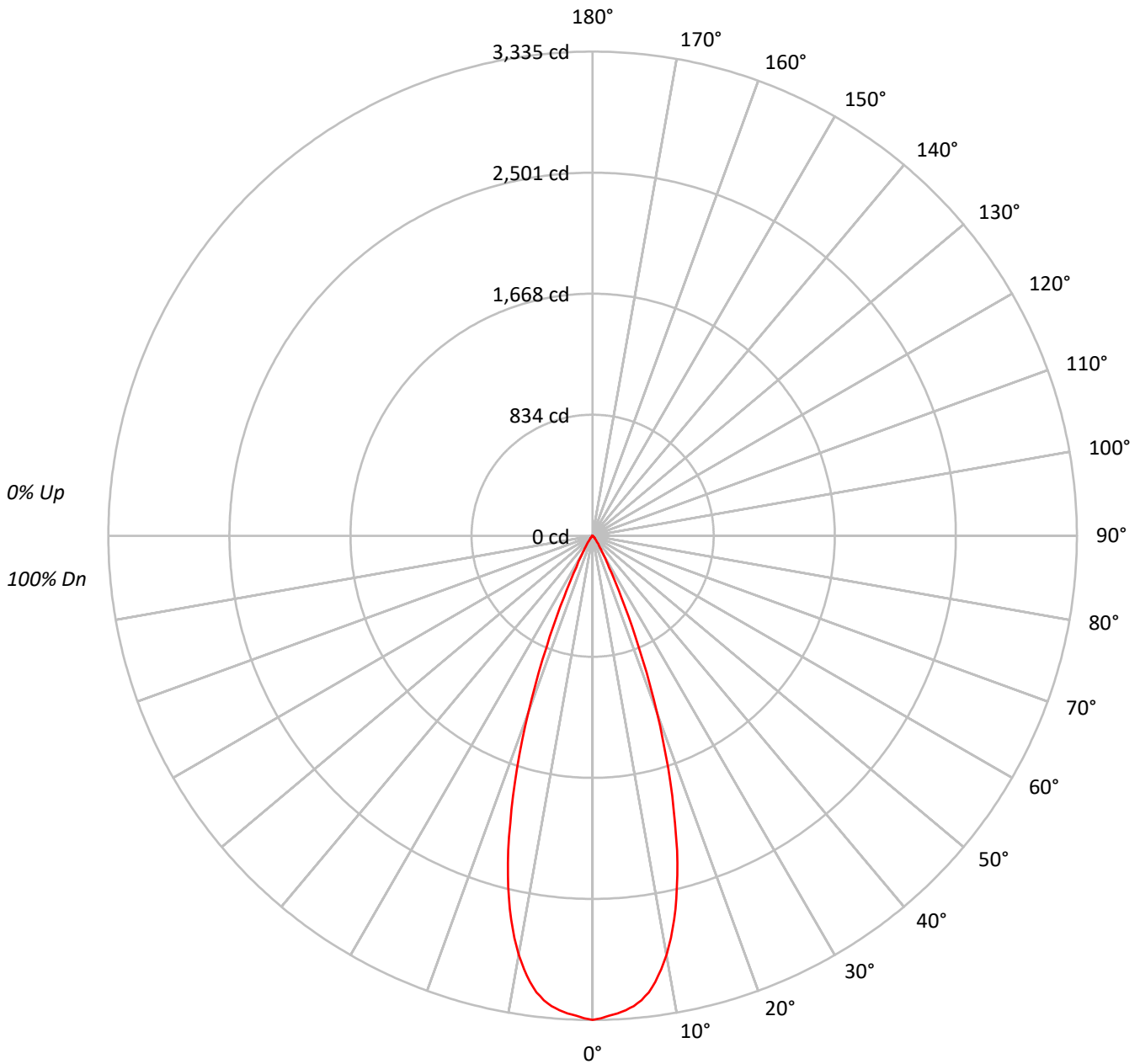
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279751

CATALOG NUMBER: LDA2B159027D010 EU2B15FL409027 2LBAD1WH

Luminous Intensity Polar Plot





TEST NUMBER: P279751

CATALOG NUMBER: LDA2B159027D010 EU2B15FL409027 2LBAD1WH

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°	1645214
5°	1610442
10°	1467800
15°	1146618
20°	678857
25°	252367
30°	78844
35°	35053
40°	16294
45°	7675
50°	4221
55°	2322
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P279751

CATALOG NUMBER: LDA2B159027D010 EU2B15FL409027 2LBAD1WH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.6	25.1
10°-20°	597.7	50.0
20°-30°	244.8	20.5
30°-40°	40.5	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°	1143.1	95.5
0°-40°	1183.7	98.9
0°-60°	1195.8	99.9
0°-90°	1196.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1196.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3335	
5°	3252	301
15°	2245	598
25°	464	245
35°	58	41
45°	11	10
55°	3	3
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279751

CATALOG NUMBER: LDA2B159027D010 EU2B15FL409027 2LBAD1WH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3334.7
1°	3323.2
2°	3307.8
3°	3294.1
4°	3275.9
5°	3251.8
6°	3216.1
7°	3169.4
8°	3102.9
9°	3022.2
10°	2929.9
11°	2822.8
12°	2701.9
13°	2564.1
14°	2410.8
15°	2244.9
17.5°	1780.2
20°	1293.0
22.5°	827.8
25°	463.6
27.5°	244.4
30°	138.4
32.5°	87.9
35°	58.2
37.5°	38.4
40°	25.3
42.5°	16.5
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: P279751

CATALOG NUMBER: LDA2B159027D010 EU2B15FL409027 2LBAD1WH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)