

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: P280638

Luminaire Tested: **LDA2B159024D010 EU2B15WFL559024 2LBALD1WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B159024D010 EU2B15WFL559024 2LBALD1WMH
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl w/lens Self-Flanged, WMH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1093.4 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

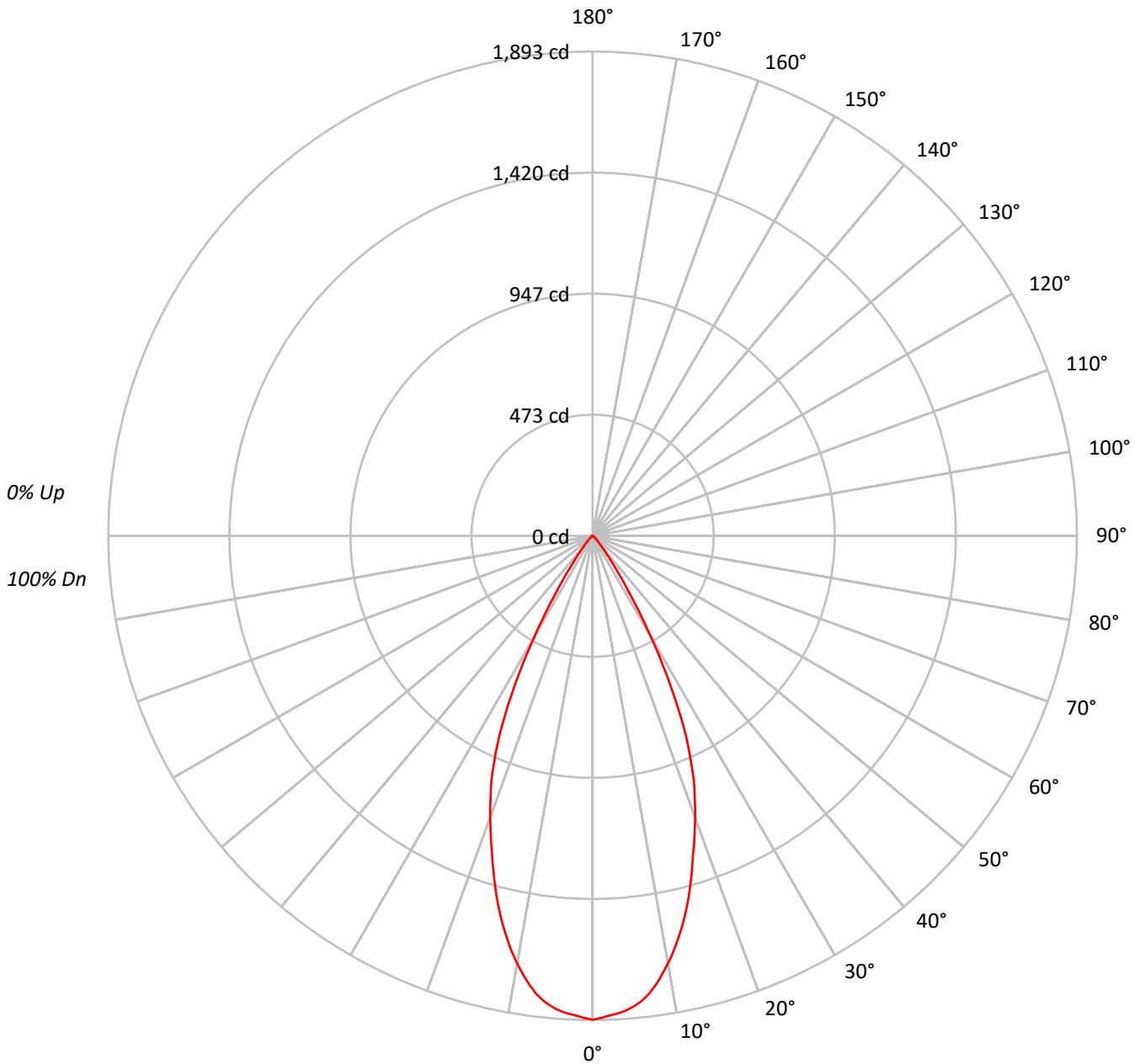
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280638

CATALOG NUMBER: LDA2B159024D010 EU2B15WFL559024 2LBALD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P280638

CATALOG NUMBER: LDA2B159024D010 EU2B15WFL559024 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	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	933786
5°	914770
10°	850652
15°	742704
20°	614909
25°	470331
30°	257384
35°	95281
40°	32975
45°	14861
50°	6985
55°	3527
60°	987
65°	584
70°	721
75°	0
80°	0
85°	0



TEST NUMBER: P280638

CATALOG NUMBER: LDA2B159024D010 EU2B15WFL559024 2LBALD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.6	15.7
10°-20°	401.9	36.8
20°-30°	379.9	34.7
30°-40°	116.9	10.7
40°-50°	18.5	1.7
50°-60°	3.9	0.4
60°-70°	0.6	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°	953.4	87.2
0°-40°	1070.3	97.9
0°-60°	1092.7	99.9
0°-90°	1093.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1093.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1893	
5°	1847	172
15°	1454	402
25°	864	380
35°	158	117
45°	21	18
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280638

CATALOG NUMBER: LDA2B159024D010 EU2B15WFL559024 2LBALD1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1892.7
1°	1885.6
2°	1877.0
3°	1869.9
4°	1860.8
5°	1847.1
6°	1829.3
7°	1805.5
8°	1773.6
9°	1736.5
10°	1698.0
11°	1655.4
12°	1610.3
13°	1561.1
14°	1509.9
15°	1454.1
17.5°	1306.6
20°	1171.2
22.5°	1033.8
25°	864.0
27.5°	659.1
30°	451.8
32.5°	277.3
35°	158.2
37.5°	88.2
40°	51.2
42.5°	31.9
45°	21.3
47.5°	14.2
50°	9.1
52.5°	6.1
55°	4.1
57.5°	2.5
60°	1.0
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: P280638

CATALOG NUMBER: LDA2B159024D010 EU2B15WFL559024 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)