

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: P280711

Luminaire Tested: **LDA2B159050D010 EU2B15WFL559050 2LBAD1WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280711
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: LDA2B159050D010 EU2B15WFL559050 2LBAD1WH
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, WH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1356.9 lumens
Efficiency: N/A
Efficacy: 96.2 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

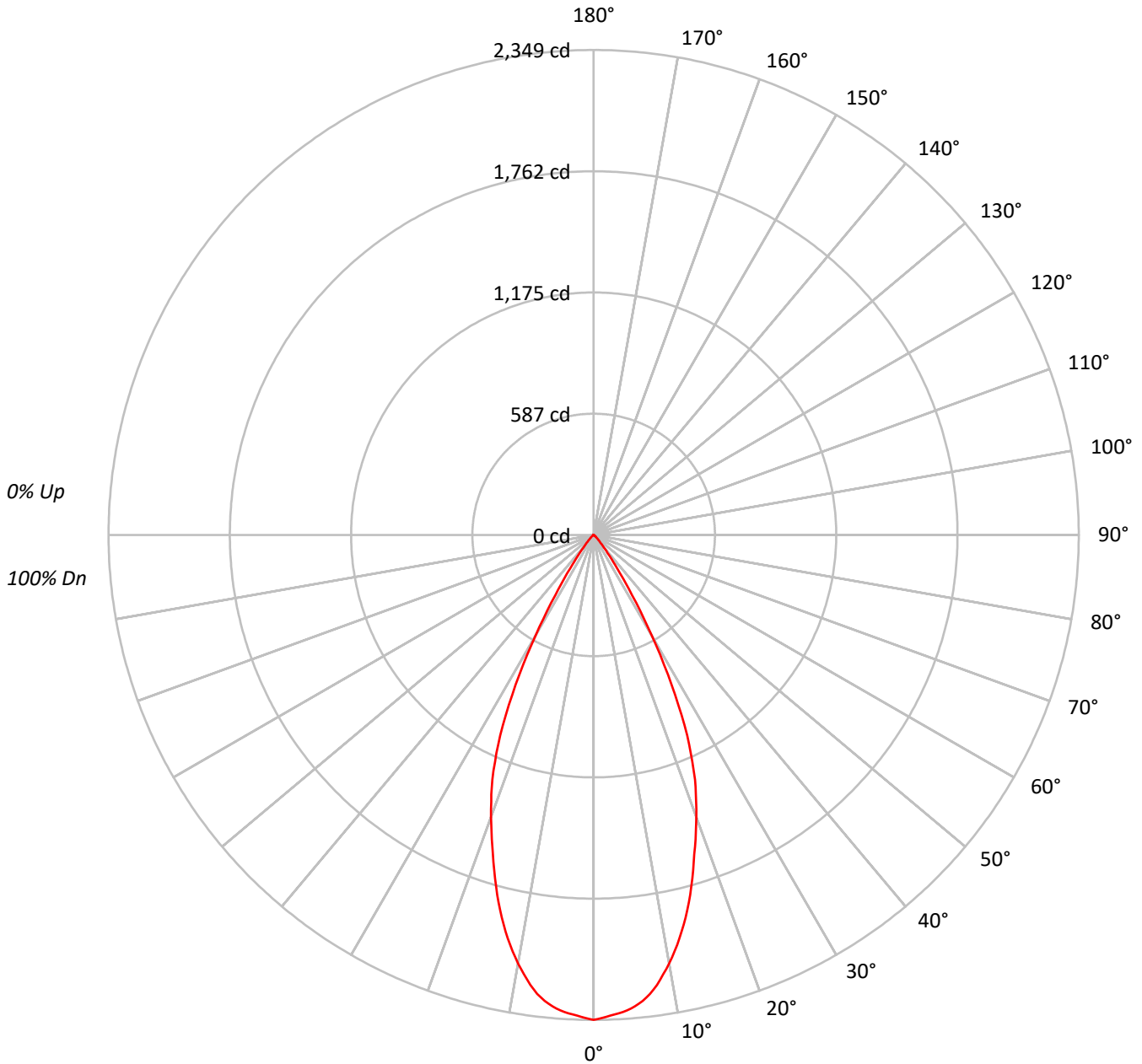
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	1158858
5°	1135204
10°	1055650
15°	921728
20°	763123
25°	583668
30°	319365
35°	118228
40°	40961
45°	18420
50°	8673
55°	4301
60°	1283
65°	700
70°	865
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.0	15.7
10°-20°	498.8	36.8
20°-30°	471.4	34.7
30°-40°	145.1	10.7
40°-50°	22.9	1.7
50°-60°	4.9	0.4
60°-70°	0.7	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°	1183.2	87.2
0°-40°	1328.3	97.9
0°-60°	1356.1	99.9
0°-90°	1356.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1356.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2349	
5°	2292	213
15°	1805	499
25°	1072	471
35°	196	145
45°	26	23
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2348.9
1°	2340.1
2°	2329.4
3°	2320.6
4°	2309.2
5°	2292.2
6°	2270.2
7°	2240.6
8°	2201.0
9°	2155.1
10°	2107.2
11°	2054.4
12°	1998.4
13°	1937.4
14°	1873.8
15°	1804.6
17.5°	1621.5
20°	1453.5
22.5°	1283.0
25°	1072.2
27.5°	818.0
30°	560.6
32.5°	344.2
35°	196.3
37.5°	109.5
40°	63.6
42.5°	39.6
45°	26.4
47.5°	17.6
50°	11.3
52.5°	7.6
55°	5.0
57.5°	3.1
60°	1.3
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
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)