

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: P278251

Luminaire Tested: **LDA2B209030D010 EU2B20SP159030 2LBAD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B209030D010 EU2B20SP159030 2LBAD1LI
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, LI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1615.5 lumens
Efficiency: N/A
Efficacy: 78.4 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

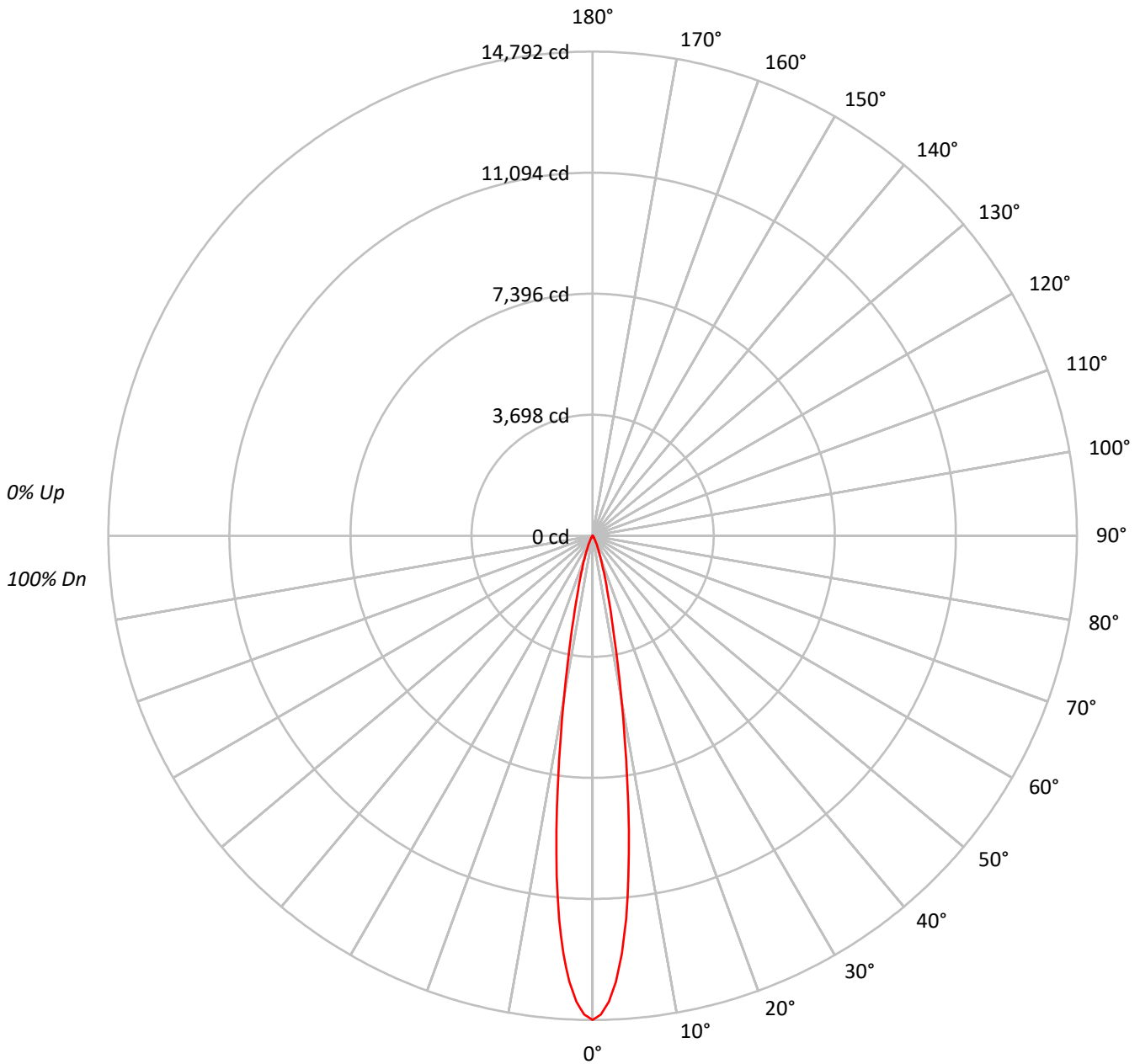
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98			98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96			96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93			93
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92			92
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90			90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88			88
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86			86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85			85
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83			83
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82			82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7298005
5°	5818402
10°	2526055
15°	872745
20°	357857
25°	161622
30°	65001
35°	30295
40°	16423
45°	6140
50°	3684
55°	2752
60°	1579
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	887.9	55.0
10°-20°	533.2	33.0
20°-30°	146.8	9.1
30°-40°	34.9	2.2
40°-50°	8.6	0.5
50°-60°	2.8	0.2
60°-70°	1.1	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°	1567.9	97.1
0°-40°	1602.8	99.2
0°-60°	1614.3	99.9
0°-90°	1615.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1615.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14792	
5°	11748	888
15°	1709	533
25°	297	147
35°	50	35
45°	9	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14792.4
1°	14628.8
2°	14236.9
3°	13639.2
4°	12795.6
5°	11748.5
6°	10470.0
7°	9069.4
8°	7597.7
9°	6244.2
10°	5042.3
11°	4024.7
12°	3203.5
13°	2583.4
14°	2090.2
15°	1708.7
17.5°	1060.6
20°	681.6
22.5°	446.9
25°	296.9
27.5°	190.7
30°	114.1
32.5°	71.8
35°	50.3
37.5°	36.7
40°	25.5
42.5°	15.2
45°	8.8
47.5°	6.4
50°	4.8
52.5°	4.0
55°	3.2
57.5°	2.4
60°	1.6
62.5°	1.6
65°	0.8
67.5°	0.8
70°	0.8
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)