

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: P278258

Luminaire Tested: **LDA2B209035D010 EU2B20SP159035 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278258
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: LDA2B209035D010 EU2B20SP159035 2LBAD1H
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1677.1 lumens
Efficiency: N/A
Efficacy: 81.4 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

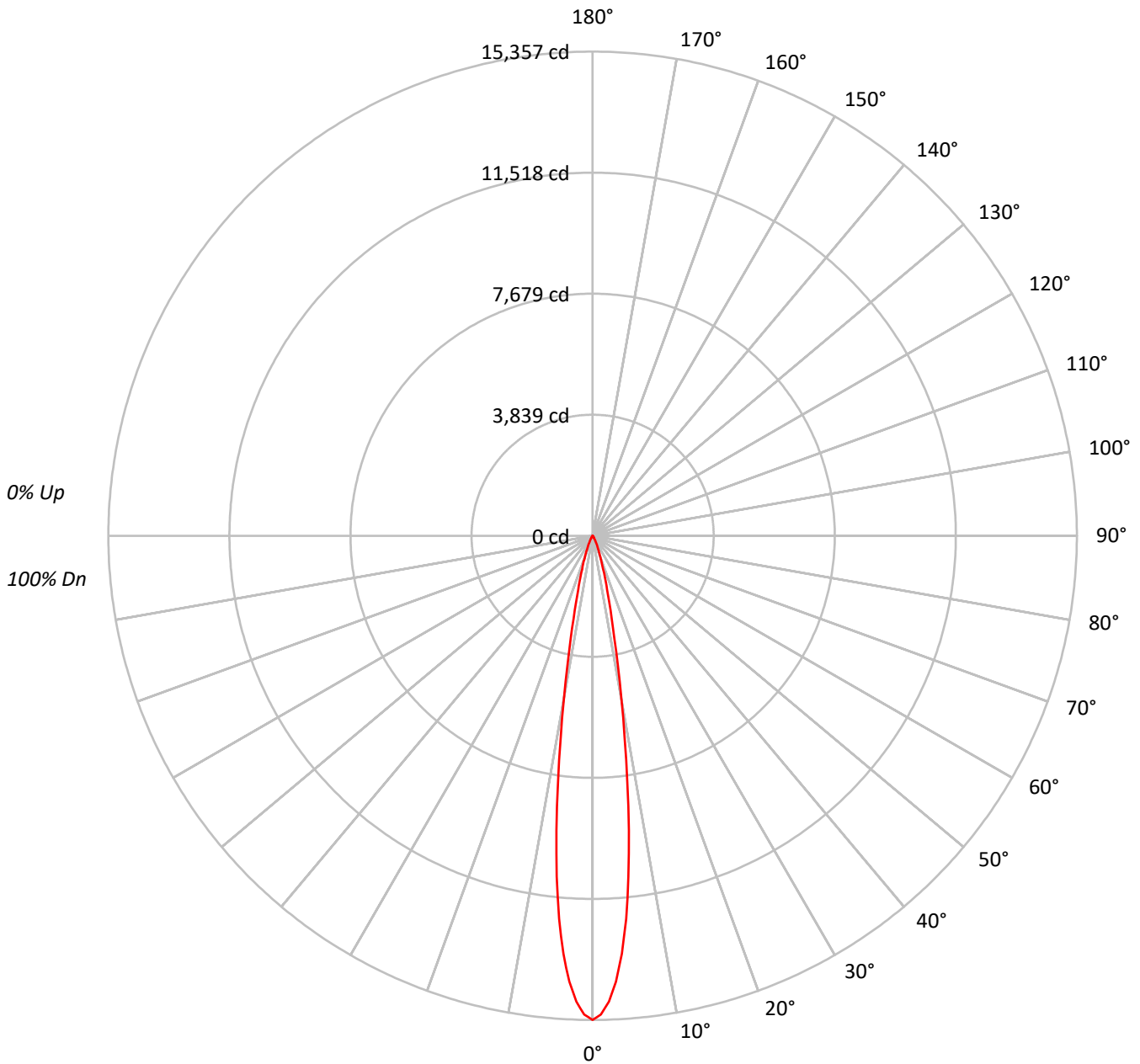
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7576557
5°	6040470
10°	2622442
15°	906047
20°	371507
25°	167773
30°	67508
35°	31439
40°	17067
45°	6349
50°	3838
55°	2838
60°	1677
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.8	55.0
10°-20°	553.6	33.0
20°-30°	152.4	9.1
30°-40°	36.2	2.2
40°-50°	8.9	0.5
50°-60°	2.9	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°	1627.8	97.1
0°-40°	1664.0	99.2
0°-60°	1675.9	99.9
0°-90°	1677.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1677.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15357	
5°	12197	922
15°	1774	554
25°	308	152
35°	52	36
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°	15357.0
1°	15187.1
2°	14780.3
3°	14159.7
4°	13284.0
5°	12196.9
6°	10869.6
7°	9415.5
8°	7887.7
9°	6482.5
10°	5234.7
11°	4178.3
12°	3325.8
13°	2682.0
14°	2169.9
15°	1773.9
17.5°	1101.1
20°	707.6
22.5°	464.0
25°	308.2
27.5°	198.0
30°	118.5
32.5°	74.6
35°	52.2
37.5°	38.1
40°	26.5
42.5°	15.7
45°	9.1
47.5°	6.6
50°	5.0
52.5°	4.1
55°	3.3
57.5°	2.5
60°	1.7
62.5°	1.7
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)