

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: P280026

Luminaire Tested: **LDA2B209040D010 EU2B20FL409040 2LBALD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280026
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: LDA2B209040D010 EU2B20FL409040 2LBALD1LI
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1832.3 lumens
Efficiency: N/A
Efficacy: 88.9 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

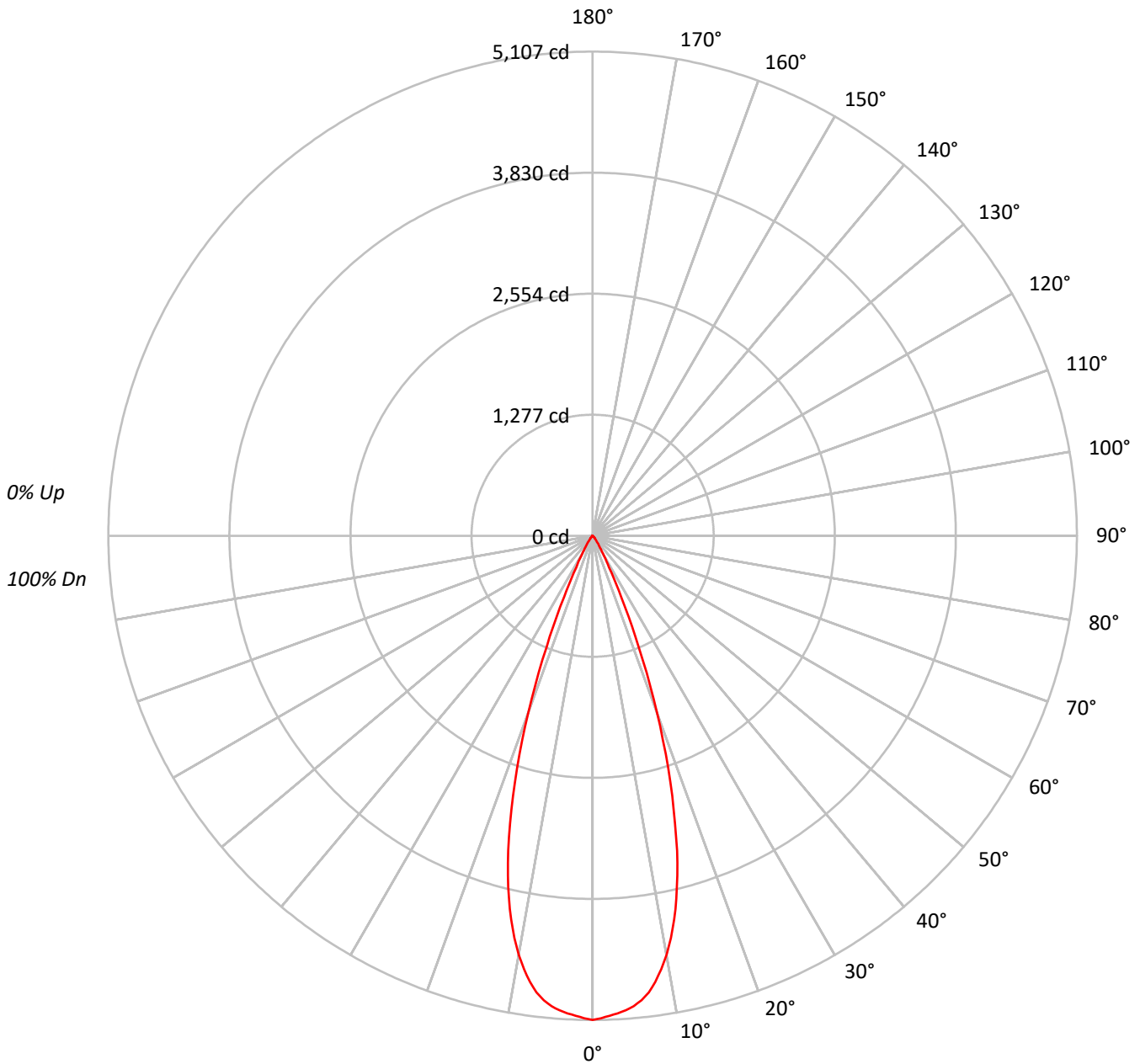
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280026

CATALOG NUMBER: LDA2B209040D010 EU2B20FL409040 2LBALD1LI

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	83	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	72	70	69																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2519599
5°	2466327
10°	2247864
15°	1756013
20°	1039654
25°	386499
30°	120773
35°	53724
40°	24924
45°	11722
50°	6447
55°	3613
60°	1677
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.3	25.1
10°-20°	915.4	50.0
20°-30°	374.9	20.5
30°-40°	62.1	3.4
40°-50°	14.7	0.8
50°-60°	3.9	0.2
60°-70°	0.9	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°	1750.7	95.5
0°-40°	1812.8	98.9
0°-60°	1831.3	99.9
0°-90°	1832.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1832.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5107	
5°	4980	460
15°	3438	915
25°	710	375
35°	89	62
45°	17	15
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5107.0
1°	5089.4
2°	5065.8
3°	5044.8
4°	5017.0
5°	4980.0
6°	4925.3
7°	4853.8
8°	4752.0
9°	4628.4
10°	4487.0
11°	4323.0
12°	4137.9
13°	3926.8
14°	3692.1
15°	3438.0
17.5°	2726.4
20°	1980.2
22.5°	1267.7
25°	710.0
27.5°	374.3
30°	212.0
32.5°	134.6
35°	89.2
37.5°	58.9
40°	38.7
42.5°	25.2
45°	16.8
47.5°	11.8
50°	8.4
52.5°	5.9
55°	4.2
57.5°	2.5
60°	1.7
62.5°	0.8
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)