

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: P280033

Luminaire Tested: **LDA2B209040D010 EU2B20FL409040 2LBALD1GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280033
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 2LBALD1GPH
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, GPH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1830.6 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

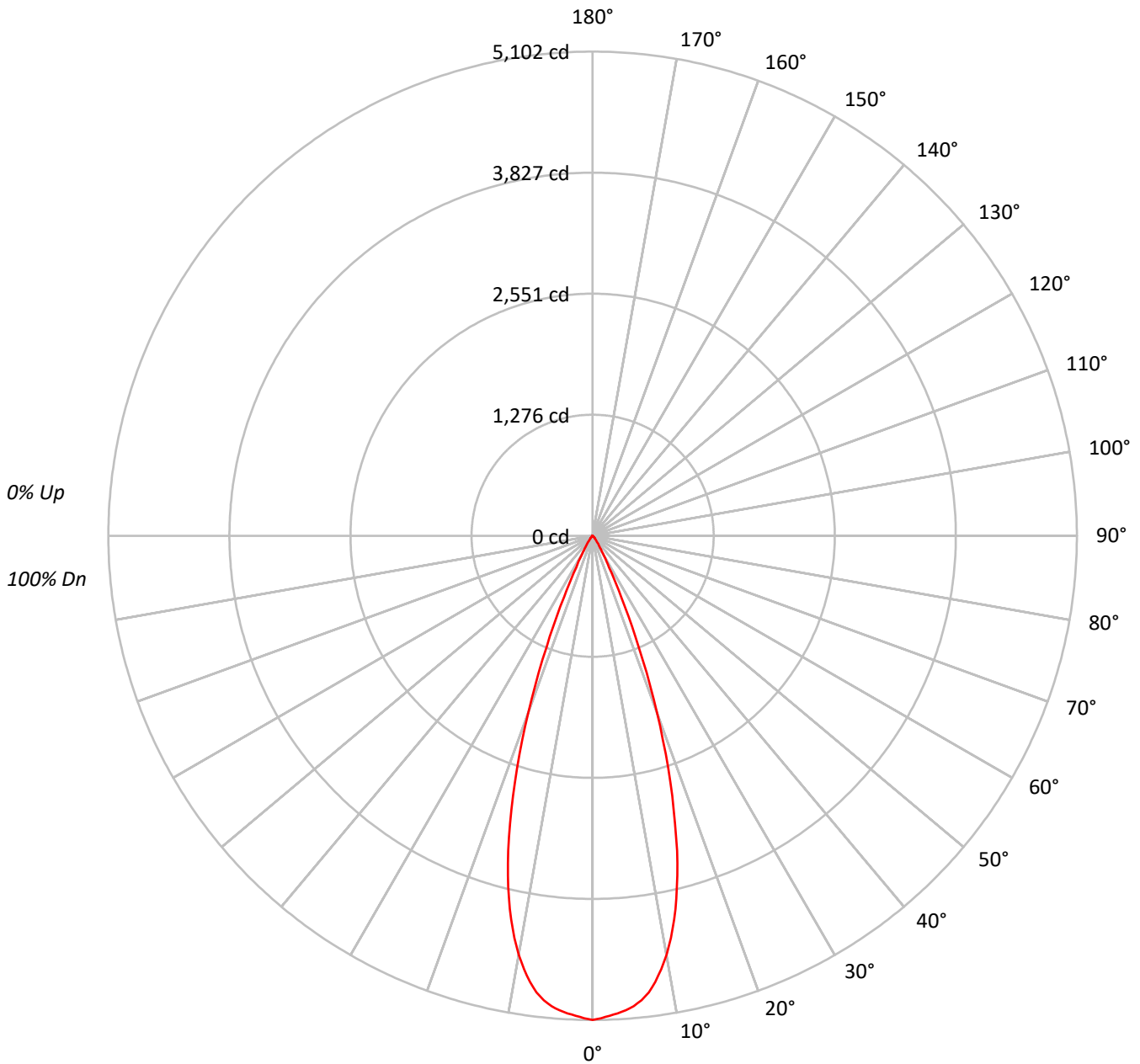
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2517181
5°	2463950
10°	2245710
15°	1754327
20°	1038656
25°	386118
30°	120659
35°	53663
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°	459.9	25.1
10°-20°	914.5	50.0
20°-30°	374.6	20.5
30°-40°	62.0	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°	1749.0	95.5
0°-40°	1811.0	98.9
0°-60°	1829.6	99.9
0°-90°	1830.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1830.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5102	
5°	4975	460
15°	3435	915
25°	709	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°	5102.1
1°	5084.4
2°	5060.9
3°	5039.9
4°	5012.2
5°	4975.2
6°	4920.5
7°	4849.1
8°	4747.4
9°	4623.9
10°	4482.7
11°	4318.8
12°	4133.9
13°	3923.0
14°	3688.5
15°	3434.7
17.5°	2723.7
20°	1978.3
22.5°	1266.5
25°	709.3
27.5°	374.0
30°	211.8
32.5°	134.5
35°	89.1
37.5°	58.8
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)