

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: P279980

Luminaire Tested: **LDA2B209027D010 EU2B20FL409027 2LBALD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279980
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: LDA2B209027D010 EU2B20FL409027 2LBALD1MW
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1669.4 lumens
Efficiency: N/A
Efficacy: 81.0 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

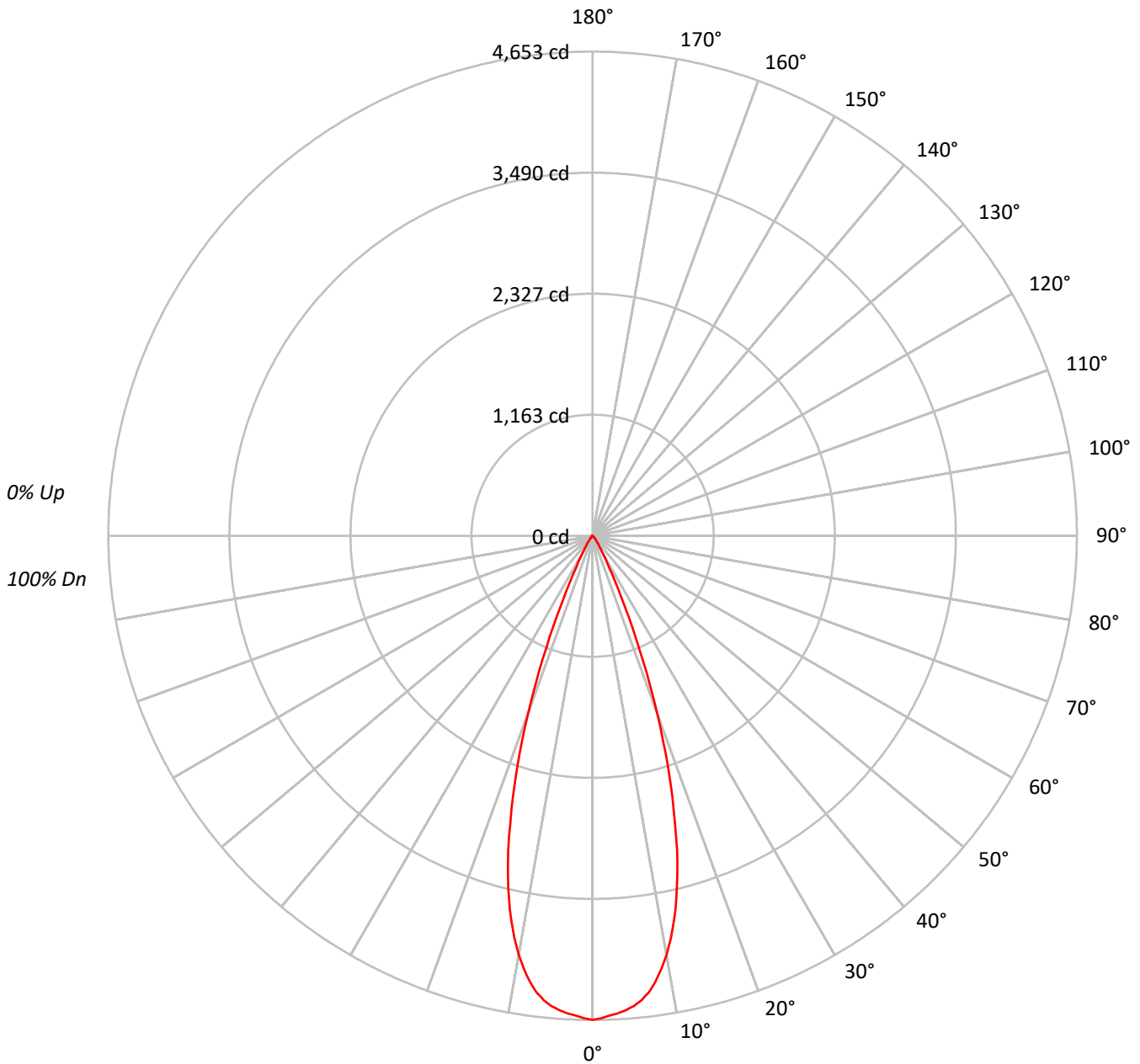
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2295464
5°	2246933
10°	2047926
15°	1599820
20°	947197
25°	352095
30°	110006
35°	48905
40°	22735
45°	10675
50°	5910
55°	3269
60°	1480
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	419.4	25.1
10°-20°	834.0	50.0
20°-30°	341.6	20.5
30°-40°	56.5	3.4
40°-50°	13.4	0.8
50°-60°	3.6	0.2
60°-70°	0.9	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°	1595.0	95.5
0°-40°	1651.5	98.9
0°-60°	1668.4	99.9
0°-90°	1669.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1669.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4653	
5°	4537	419
15°	3132	834
25°	647	342
35°	81	57
45°	15	13
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4652.7
1°	4636.6
2°	4615.2
3°	4596.0
4°	4570.7
5°	4537.0
6°	4487.2
7°	4422.0
8°	4329.3
9°	4216.7
10°	4087.9
11°	3938.5
12°	3769.9
13°	3577.5
14°	3363.7
15°	3132.2
17.5°	2483.9
20°	1804.1
22.5°	1154.9
25°	646.8
27.5°	341.0
30°	193.1
32.5°	122.6
35°	81.2
37.5°	53.6
40°	35.3
42.5°	23.0
45°	15.3
47.5°	10.7
50°	7.7
52.5°	5.4
55°	3.8
57.5°	2.3
60°	1.5
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)