

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: P279069

Luminaire Tested: **LDA2B209024D010 EU2B20NFL259024 2LBALD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B209024D010 EU2B20NFL259024 2LBALD1B
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in ADJ spun Refl w/lens Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1404.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

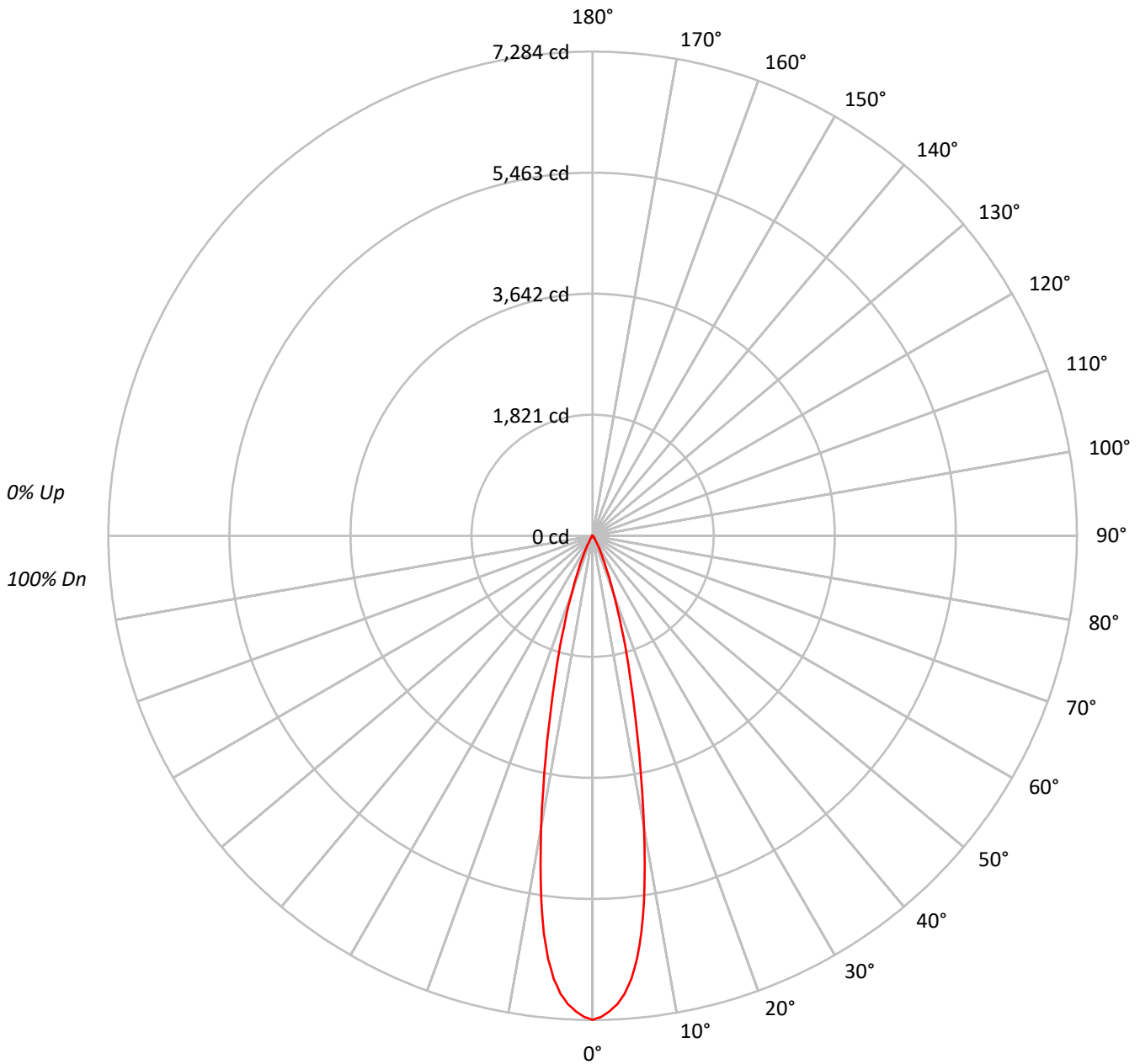
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97																			
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94																			
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91																			
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89																			
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86																			
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84																			
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82																			
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80																			
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78																			
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3593598
5°	3314139
10°	2233336
15°	1101109
20°	470317
25°	184921
30°	72806
35°	31921
40°	15328
45°	7396
50°	4068
55°	2236
60°	1283
65°	817
70°	1010
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.9	40.4
10°-20°	610.5	43.5
20°-30°	176.3	12.6
30°-40°	37.2	2.7
40°-50°	9.2	0.7
50°-60°	2.6	0.2
60°-70°	0.9	0.1
70°-80°	0.5	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°	1353.6	96.4
0°-40°	1390.8	99.1
0°-60°	1402.6	99.9
0°-90°	1404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1404.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7284	
5°	6692	567
15°	2156	610
25°	340	176
35°	53	37
45°	11	9
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7283.9
1°	7238.2
2°	7160.7
3°	7056.1
4°	6907.8
5°	6691.9
6°	6400.6
7°	6020.6
8°	5553.1
9°	5008.2
10°	4458.0
11°	3901.8
12°	3376.8
13°	2910.6
14°	2500.8
15°	2155.8
17.5°	1424.9
20°	895.8
22.5°	550.9
25°	339.7
27.5°	207.2
30°	127.8
32.5°	80.8
35°	53.0
37.5°	35.1
40°	23.8
42.5°	16.6
45°	10.6
47.5°	6.6
50°	5.3
52.5°	4.0
55°	2.6
57.5°	2.0
60°	1.3
62.5°	1.3
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.7
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)