

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: P280053

Luminaire Tested: **LDA2B209727D010 EU2B20FL409727 2LBAD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280053
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: LDA2B209727D010 EU2B20FL409727 2LBAD1B
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl, Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1477.4 lumens
Efficiency: N/A
Efficacy: 71.7 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

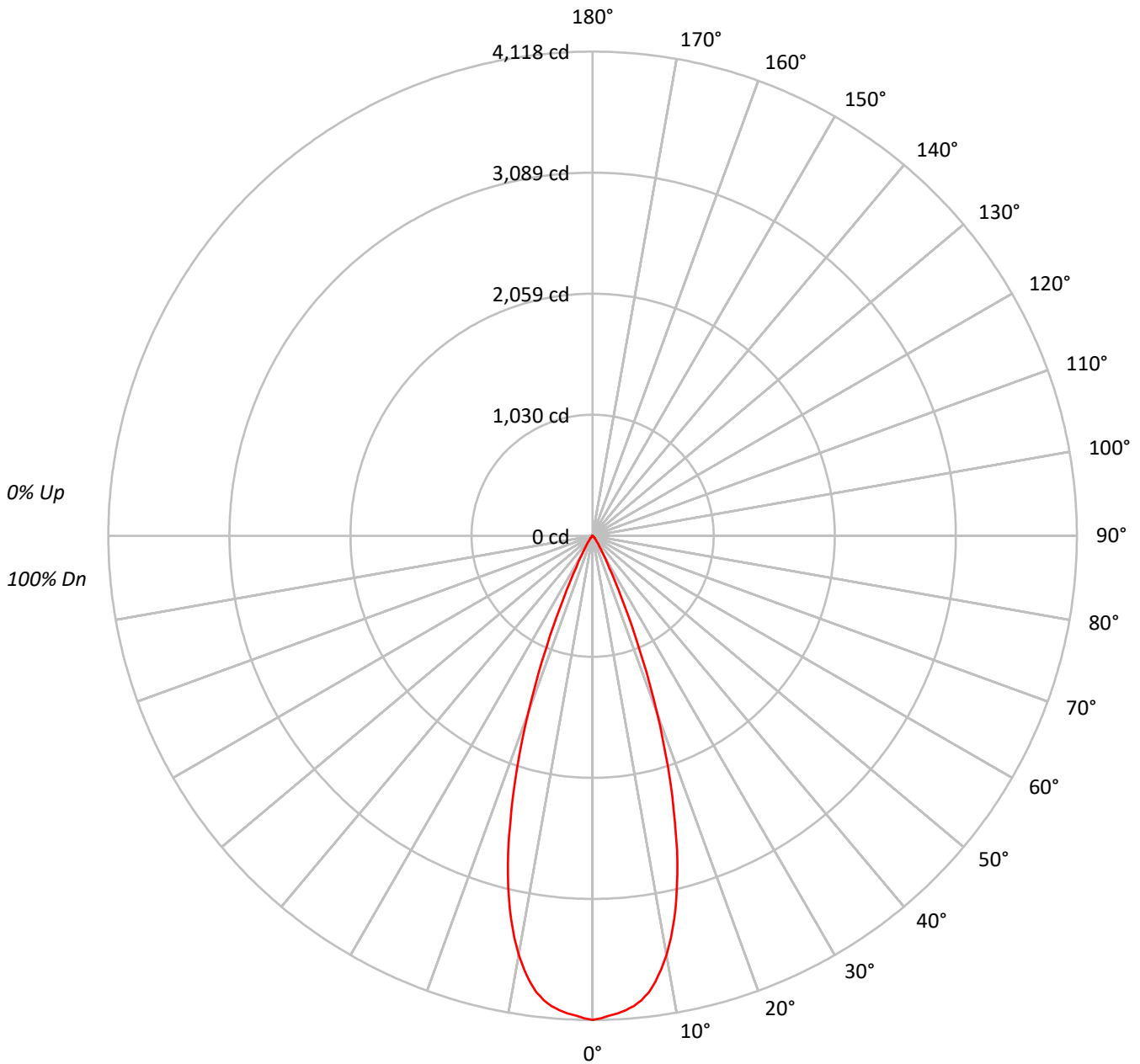
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2031516
5°	1988563
10°	1812419
15°	1415843
20°	838254
25°	311594
30°	97359
35°	43304
40°	20094
45°	9489
50°	5219
55°	2925
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.2	25.1
10°-20°	738.1	50.0
20°-30°	302.3	20.5
30°-40°	50.0	3.4
40°-50°	11.8	0.8
50°-60°	3.1	0.2
60°-70°	0.8	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°	1411.5	95.5
0°-40°	1461.6	98.9
0°-60°	1476.5	99.9
0°-90°	1477.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1477.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4118	
5°	4015	371
15°	2772	738
25°	572	302
35°	72	50
45°	14	12
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4117.7
1°	4103.5
2°	4084.5
3°	4067.5
4°	4045.1
5°	4015.3
6°	3971.2
7°	3913.5
8°	3831.5
9°	3731.8
10°	3617.8
11°	3485.6
12°	3336.3
13°	3166.1
14°	2976.9
15°	2772.0
17.5°	2198.2
20°	1596.6
22.5°	1022.1
25°	572.4
27.5°	301.8
30°	170.9
32.5°	108.5
35°	71.9
37.5°	47.5
40°	31.2
42.5°	20.3
45°	13.6
47.5°	9.5
50°	6.8
52.5°	4.7
55°	3.4
57.5°	2.0
60°	1.4
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.7
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)