

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: P280030

Luminaire Tested: **LDA2B209040D010 EU2B20FL409040 2LBALD1WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280030
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 2LBALD1WMH
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, WMH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1805.7 lumens
Efficiency: N/A
Efficacy: 87.7 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

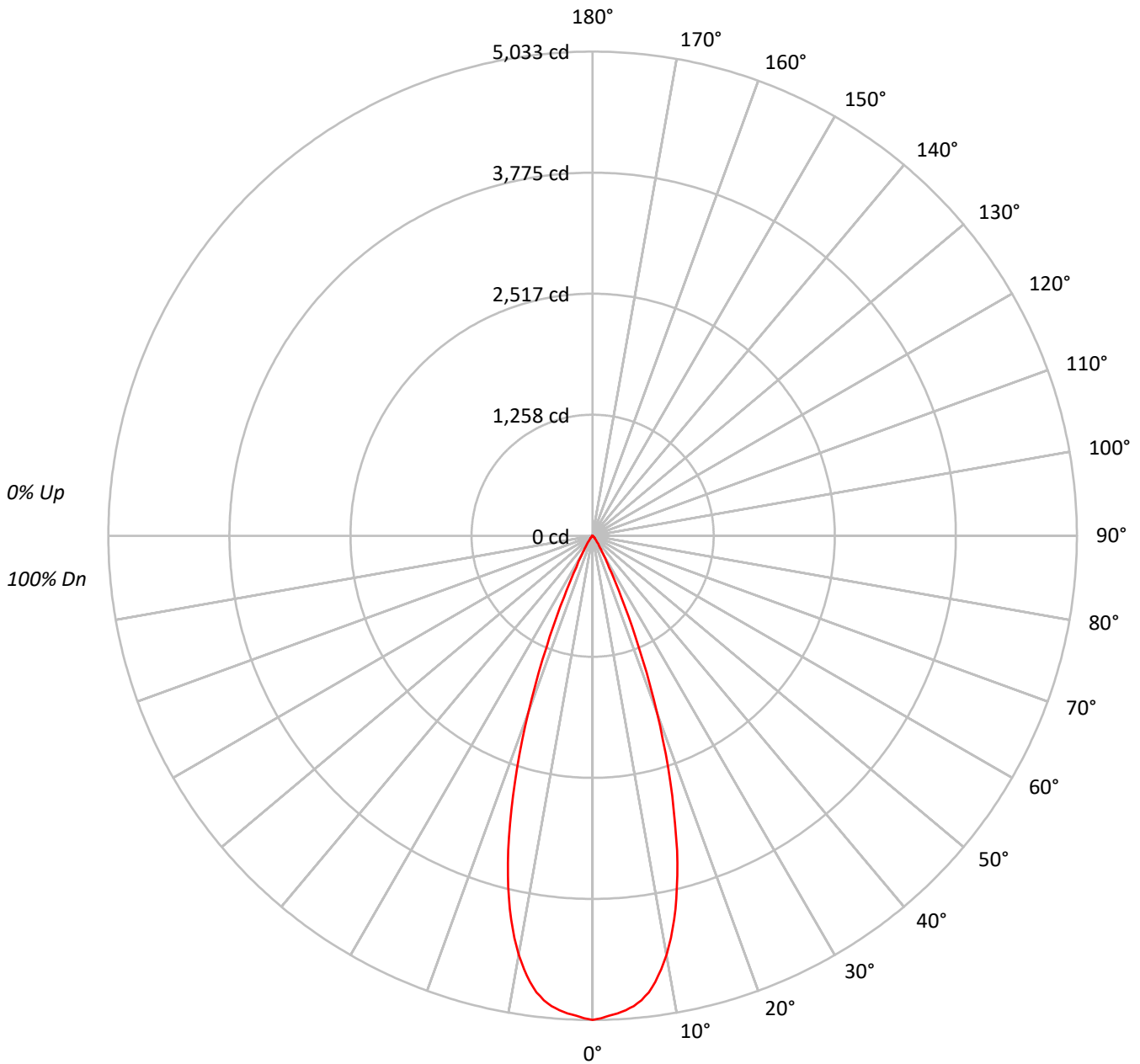
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2483041
5°	2430521
10°	2215251
15°	1730525
20°	1024586
25°	380892
30°	119007
35°	52941
40°	24538
45°	11582
50°	6371
55°	3527
60°	1677
65°	934
70°	1154
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.7	25.1
10°-20°	902.2	50.0
20°-30°	369.5	20.5
30°-40°	61.1	3.4
40°-50°	14.5	0.8
50°-60°	3.8	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°	1725.3	95.5
0°-40°	1786.4	98.9
0°-60°	1804.7	99.9
0°-90°	1805.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1805.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5033	
5°	4908	454
15°	3388	902
25°	700	369
35°	88	61
45°	17	14
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5032.9
1°	5015.5
2°	4992.2
3°	4971.5
4°	4944.2
5°	4907.7
6°	4853.8
7°	4783.3
8°	4683.0
9°	4561.2
10°	4421.9
11°	4260.2
12°	4077.9
13°	3869.8
14°	3638.5
15°	3388.1
17.5°	2686.8
20°	1951.5
22.5°	1249.3
25°	699.7
27.5°	368.9
30°	208.9
32.5°	132.6
35°	87.9
37.5°	58.0
40°	38.1
42.5°	24.9
45°	16.6
47.5°	11.6
50°	8.3
52.5°	5.8
55°	4.1
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)