

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: P279887

Luminaire Tested: **LDA2B208027D010 EU2B20FL408027 2LBALD1WH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279887
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: LDA2B208027D010 EU2B20FL408027 2LBALD1WH
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, WH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2100.1 lumens
Efficiency: N/A
Efficacy: 101.9 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

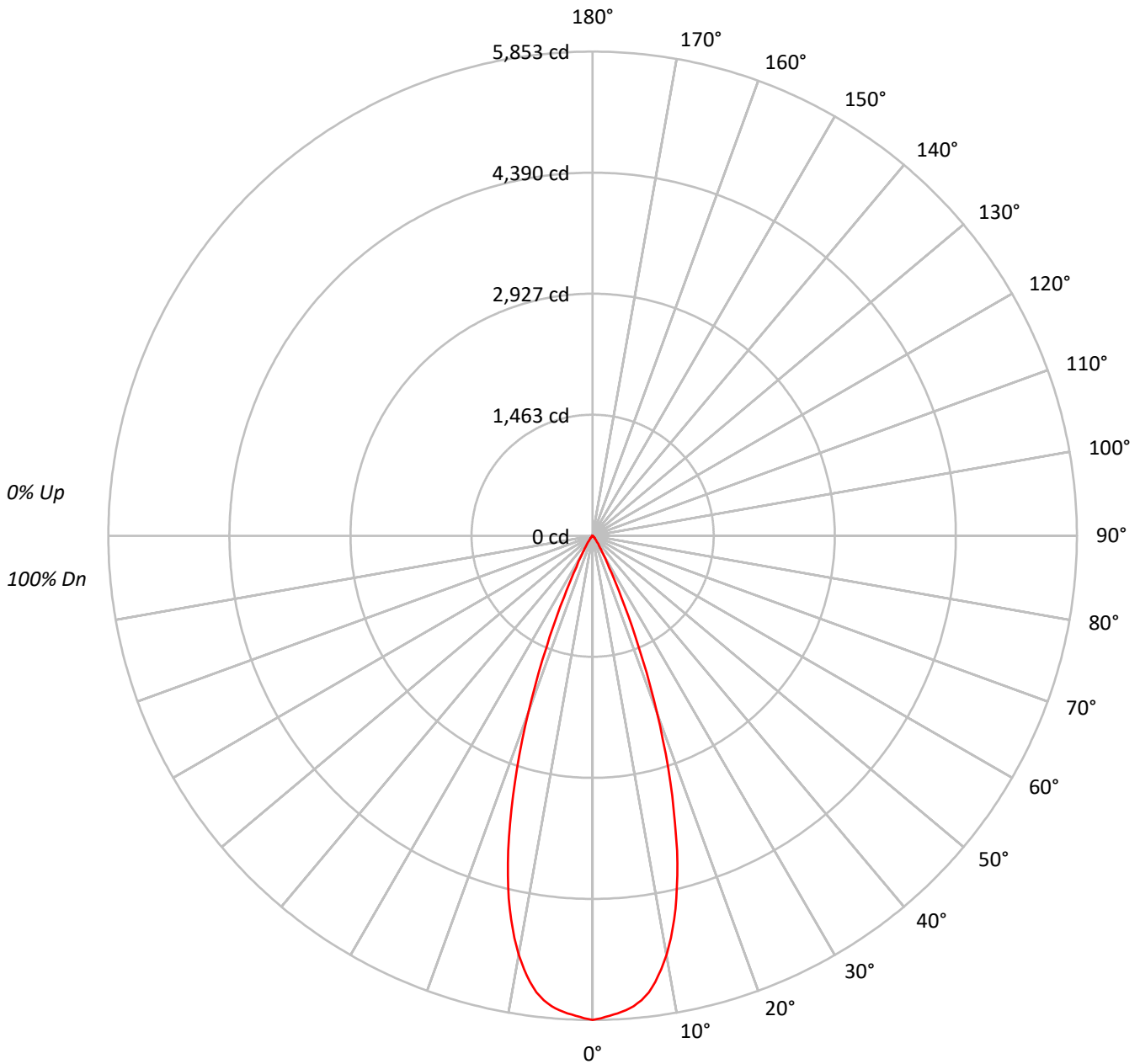
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	2887696
5°	2826619
10°	2576302
15°	2012570
20°	1191543
25°	442949
30°	138433
35°	61553
40°	28531
45°	13466
50°	7368
55°	4129
60°	1875
65°	1167
70°	1442
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.6	25.1
10°-20°	1049.2	50.0
20°-30°	429.7	20.5
30°-40°	71.1	3.4
40°-50°	16.8	0.8
50°-60°	4.5	0.2
60°-70°	1.1	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°	2006.5	95.5
0°-40°	2077.6	98.9
0°-60°	2098.9	99.9
0°-90°	2100.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2100.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5853	
5°	5708	528
15°	3940	1049
25°	814	430
35°	102	71
45°	19	17
55°	5	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5853.1
1°	5832.9
2°	5805.9
3°	5781.8
4°	5750.0
5°	5707.5
6°	5644.9
7°	5562.9
8°	5446.3
9°	5304.5
10°	5142.6
11°	4954.6
12°	4742.5
13°	4500.5
14°	4231.5
15°	3940.3
17.5°	3124.7
20°	2269.5
22.5°	1452.9
25°	813.7
27.5°	429.0
30°	243.0
32.5°	154.3
35°	102.2
37.5°	67.5
40°	44.3
42.5°	28.9
45°	19.3
47.5°	13.5
50°	9.6
52.5°	6.7
55°	4.8
57.5°	2.9
60°	1.9
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
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)