

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: P279877

Luminaire Tested: **LDA2B208027D010 EU2B20FL408027 2LBAD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279877
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 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: 2083.7 lumens
Efficiency: N/A
Efficacy: 101.1 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

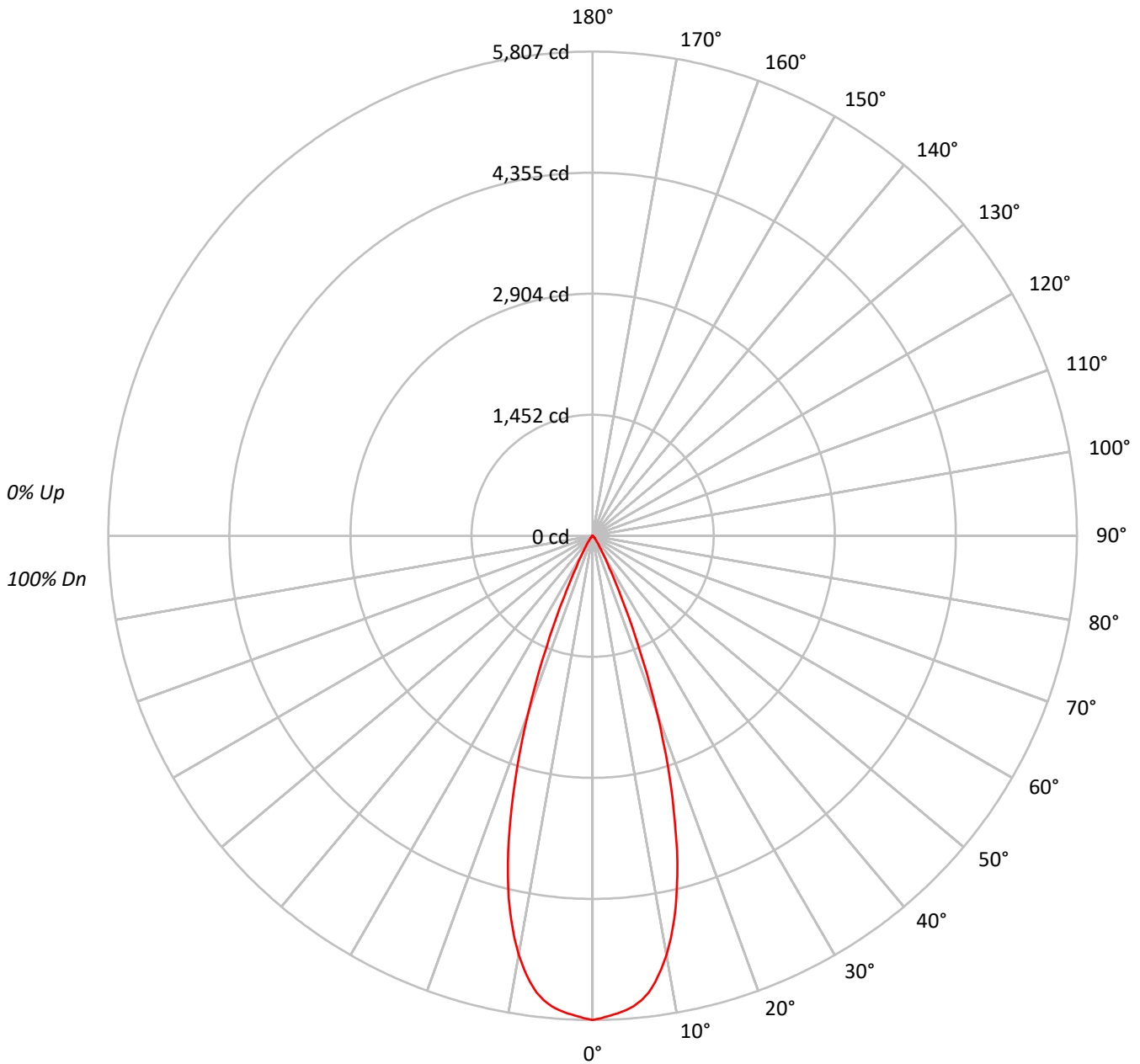
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P279877

CATALOG NUMBER: LDA2B208027D010 EU2B20FL408027 2LBAD1B

Luminous Intensity Polar Plot





TEST NUMBER: P279877

CATALOG NUMBER: LDA2B208027D010 EU2B20FL408027 2LBAD1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	81	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°	2865100
5°	2804481
10°	2556113
15°	1996787
20°	1182198
25°	439465
30°	137351
35°	61072
40°	28338
45°	13326
50°	7368
55°	4129
60°	1875
65°	1167
70°	1442
75°	0
80°	0
85°	0



TEST NUMBER: P279877

CATALOG NUMBER: LDA2B208027D010 EU2B20FL408027 2LBAD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.5	25.1
10°-20°	1041.0	50.0
20°-30°	426.3	20.5
30°-40°	70.6	3.4
40°-50°	16.7	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°	1990.7	95.5
0°-40°	2061.3	98.9
0°-60°	2082.4	99.9
0°-90°	2083.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2083.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5807	
5°	5663	523
15°	3909	1041
25°	807	426
35°	101	71
45°	19	17
55°	5	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P279877

CATALOG NUMBER: LDA2B208027D010 EU2B20FL408027 2LBAD1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	5807.3
1°	5787.2
2°	5760.4
3°	5736.5
4°	5704.9
5°	5662.8
6°	5600.6
7°	5519.3
8°	5403.6
9°	5263.0
10°	5102.3
11°	4915.7
12°	4705.3
13°	4465.2
14°	4198.3
15°	3909.4
17.5°	3100.2
20°	2251.7
22.5°	1441.5
25°	807.3
27.5°	425.7
30°	241.1
32.5°	153.0
35°	101.4
37.5°	67.0
40°	44.0
42.5°	28.7
45°	19.1
47.5°	13.4
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



TEST NUMBER: P279877

CATALOG NUMBER: LDA2B208027D010 EU2B20FL408027 2LBAD1B

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)