

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: P280067

Luminaire Tested: **LDA2B209730D010 EU2B20FL409730 2LBAD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280067
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: LDA2B209730D010 EU2B20FL409730 2LBAD1LI
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl, Self-Flanged, LI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1607.9 lumens
Efficiency: N/A
Efficacy: 78.1 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

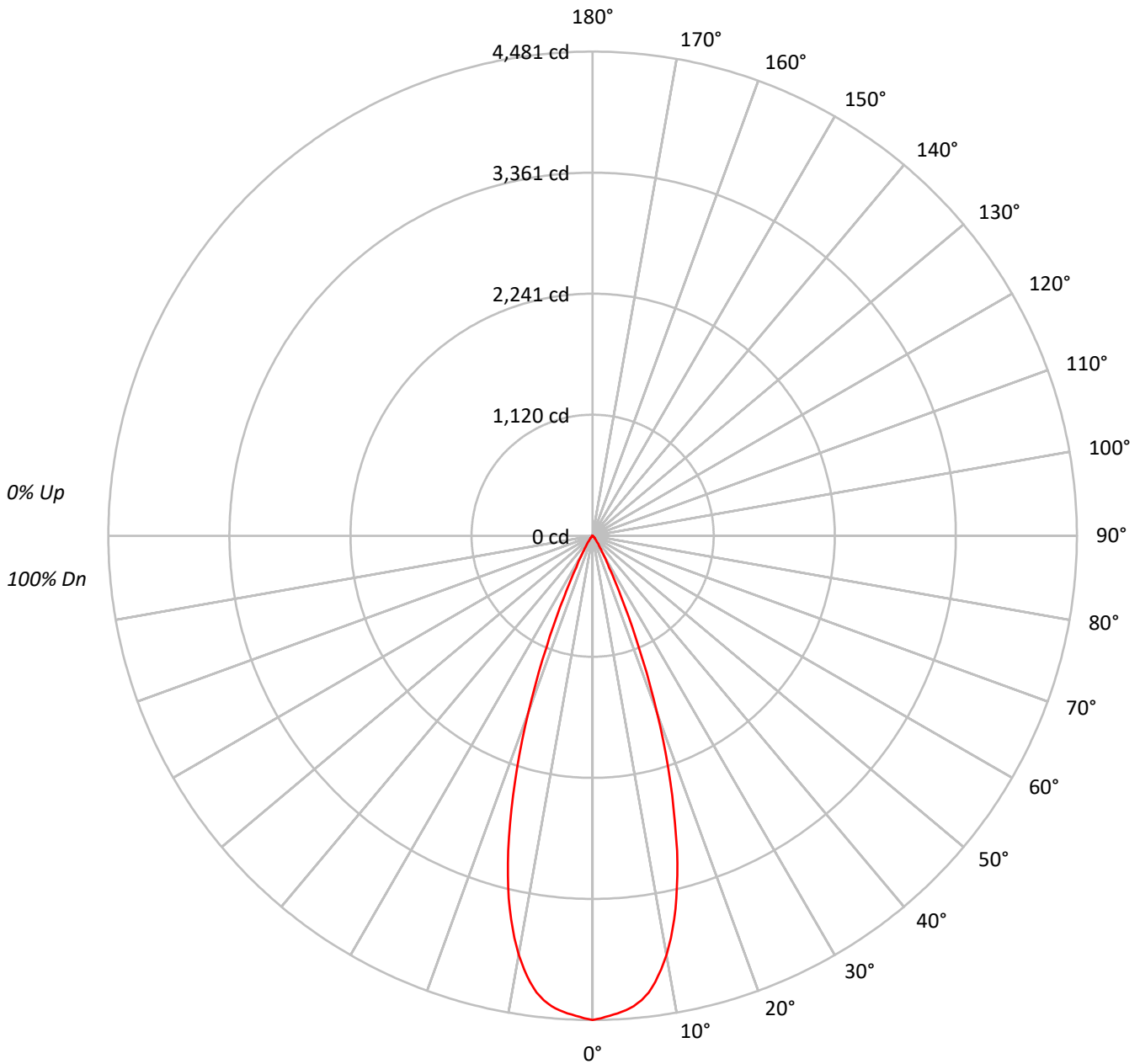
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280067

CATALOG NUMBER: LDA2B209730D010 EU2B20FL409730 2LBAD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P280067

CATALOG NUMBER: LDA2B209730D010 EU2B20FL409730 2LBAD1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									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	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°	2210952
5°	2164227
10°	1972530
15°	1540929
20°	912335
25°	339139
30°	105961
35°	47099
40°	21897
45°	10326
50°	5680
55°	3183
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P280067

CATALOG NUMBER: LDA2B209730D010 EU2B20FL409730 2LBAD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.9	25.1
10°-20°	803.3	50.0
20°-30°	329.0	20.5
30°-40°	54.5	3.4
40°-50°	12.9	0.8
50°-60°	3.4	0.2
60°-70°	0.8	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°	1536.2	95.5
0°-40°	1590.7	98.9
0°-60°	1607.0	99.9
0°-90°	1607.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1607.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4481	
5°	4370	404
15°	3017	803
25°	623	329
35°	78	54
45°	15	13
55°	4	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280067

CATALOG NUMBER: LDA2B209730D010 EU2B20FL409730 2LBAD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4481.4
1°	4465.9
2°	4445.3
3°	4426.8
4°	4402.5
5°	4370.0
6°	4322.0
7°	4259.3
8°	4169.9
9°	4061.4
10°	3937.4
11°	3793.5
12°	3631.1
13°	3445.8
14°	3239.8
15°	3016.9
17.5°	2392.4
20°	1737.7
22.5°	1112.4
25°	623.0
27.5°	328.5
30°	186.0
32.5°	118.1
35°	78.2
37.5°	51.7
40°	34.0
42.5°	22.1
45°	14.8
47.5°	10.3
50°	7.4
52.5°	5.2
55°	3.7
57.5°	2.2
60°	1.5
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



TEST NUMBER: P280067

CATALOG NUMBER: LDA2B209730D010 EU2B20FL409730 2LBAD1LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)