

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: P280058

Luminaire Tested: **LDA2B209727D010 EU2B20FL409727 2LBALD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280058
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 2LBALD1LI
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl w/lens Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1490.5 lumens
Efficiency: N/A
Efficacy: 72.4 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

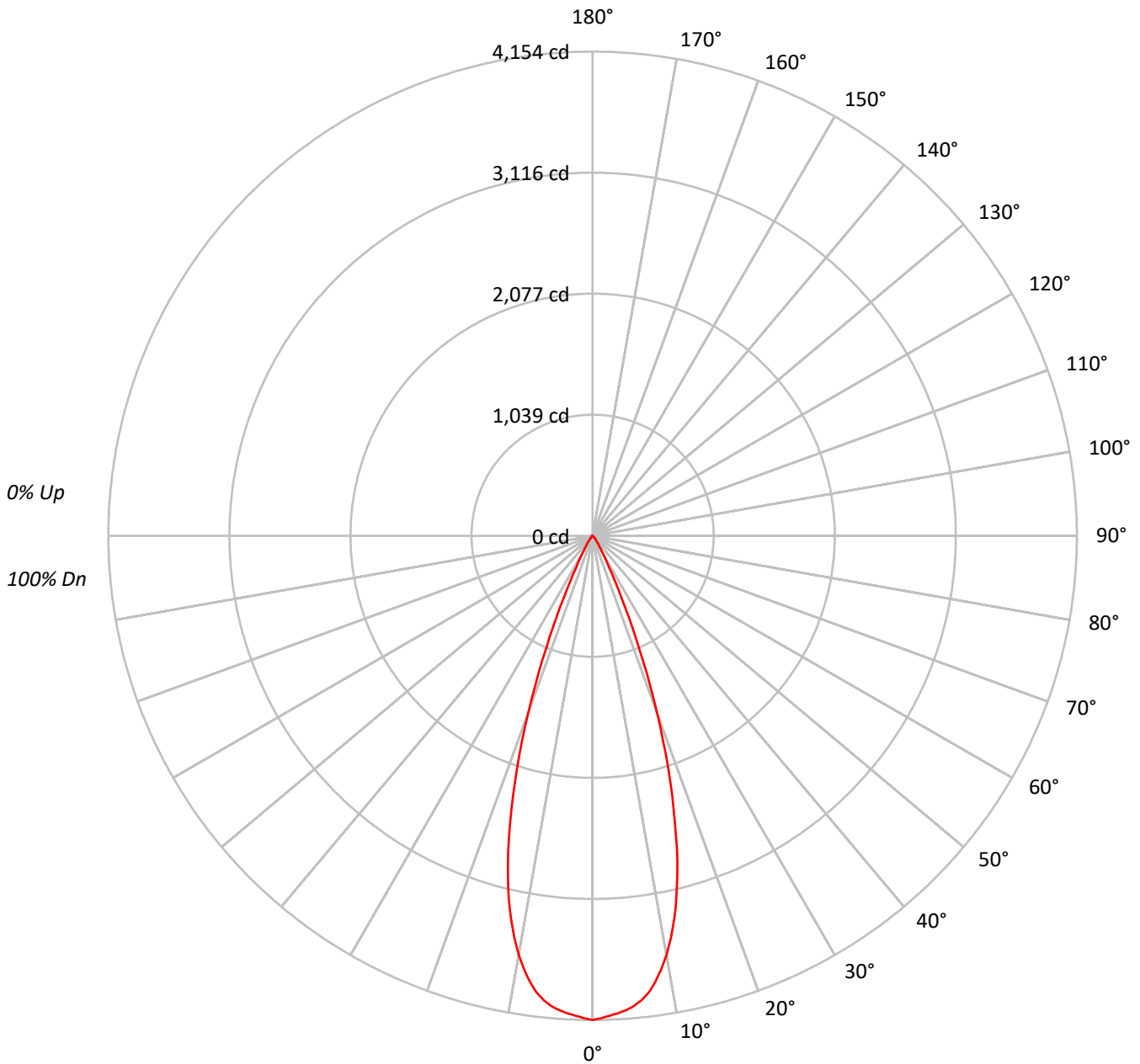
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280058

CATALOG NUMBER: LDA2B209727D010 EU2B20FL409727 2LBALD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P280058

CATALOG NUMBER: LDA2B209727D010 EU2B20FL409727 2LBALD1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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°	2049524
5°	2006193
10°	1828500
15°	1428407
20°	845710
25°	314371
30°	98214
35°	43666
40°	20287
45°	9559
50°	5219
55°	2925
60°	1381
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P280058

CATALOG NUMBER: LDA2B209727D010 EU2B20FL409727 2LBALD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.5	25.1
10°-20°	744.7	50.0
20°-30°	305.0	20.5
30°-40°	50.5	3.4
40°-50°	11.9	0.8
50°-60°	3.2	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°	1424.1	95.5
0°-40°	1474.5	98.9
0°-60°	1489.7	99.9
0°-90°	1490.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1490.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4154	
5°	4051	374
15°	2797	745
25°	578	305
35°	72	50
45°	14	12
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280058

CATALOG NUMBER: LDA2B209727D010 EU2B20FL409727 2LBALD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4154.2
1°	4139.9
2°	4120.7
3°	4103.6
4°	4081.0
5°	4050.9
6°	4006.4
7°	3948.3
8°	3865.5
9°	3764.9
10°	3649.9
11°	3516.5
12°	3366.0
13°	3194.2
14°	3003.3
15°	2796.6
17.5°	2217.7
20°	1610.8
22.5°	1031.2
25°	577.5
27.5°	304.5
30°	172.4
32.5°	109.5
35°	72.5
37.5°	47.9
40°	31.5
42.5°	20.5
45°	13.7
47.5°	9.6
50°	6.8
52.5°	4.8
55°	3.4
57.5°	2.1
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



TEST NUMBER: P280058

CATALOG NUMBER: LDA2B209727D010 EU2B20FL409727 2LBALD1LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)