

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: P277957

Luminaire Tested: **LDA2B059730D010 EU2B05SP159730 2LBAD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P277957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B059730D010 EU2B05SP159730 2LBAD1B
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 589.6 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

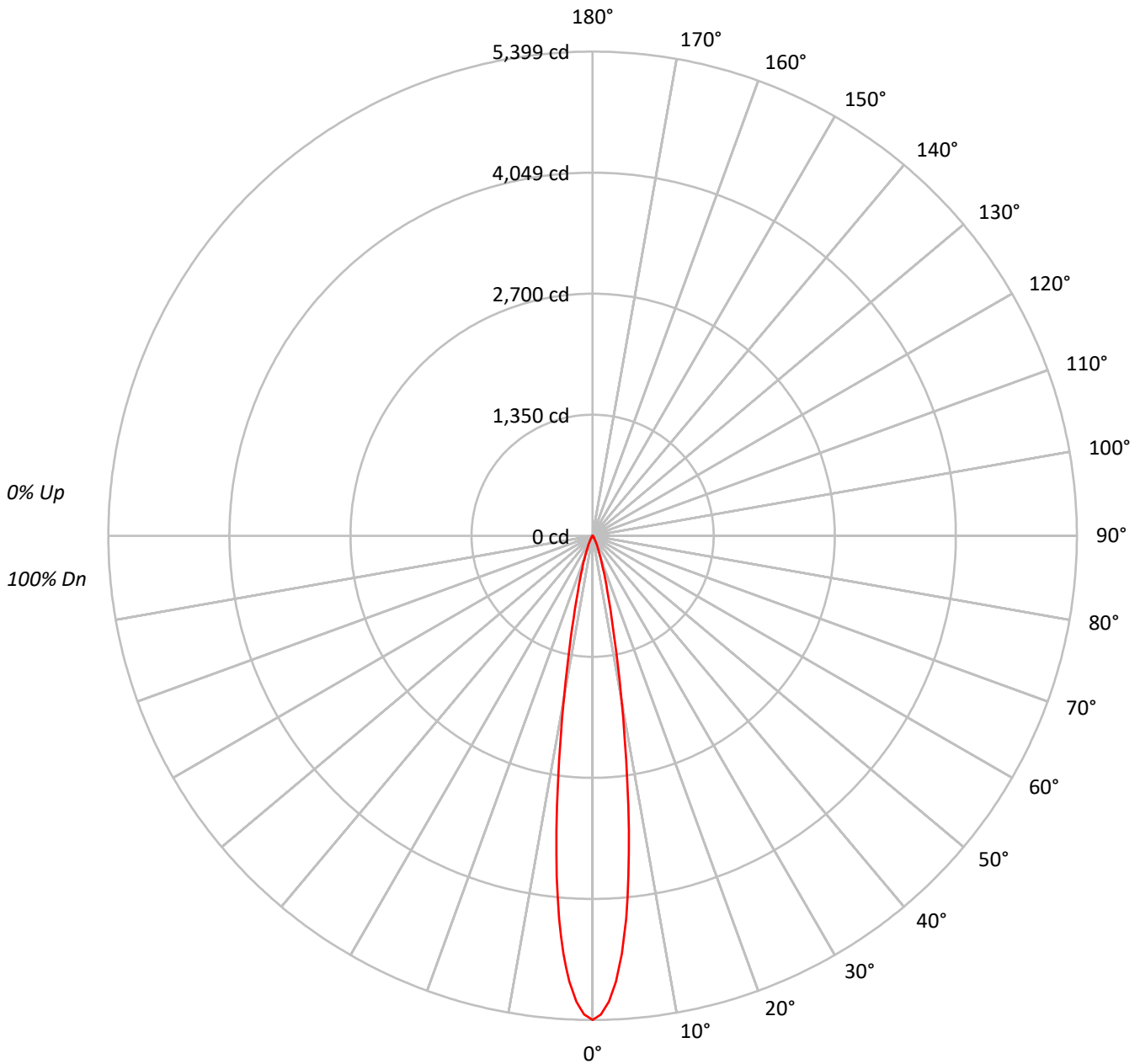
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P277957

CATALOG NUMBER: LDA2B059730D010 EU2B05SP159730 2LBAD1B

Luminous Intensity Polar Plot





TEST NUMBER: P277957

CATALOG NUMBER: LDA2B059730D010 EU2B05SP159730 2LBAD1B

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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	99	98	98																
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	97	96	96																
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93																			
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92																			
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90																			
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88																			
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86																			
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85																			
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83																			
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2663611
5°	2123616
10°	921940
15°	318513
20°	130626
25°	59009
30°	23756
35°	11082
40°	5990
45°	2233
50°	1305
55°	1032
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P277957

CATALOG NUMBER: LDA2B059730D010 EU2B05SP159730 2LBAD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.1	55.0
10°-20°	194.6	33.0
20°-30°	53.6	9.1
30°-40°	12.7	2.2
40°-50°	3.1	0.5
50°-60°	1.1	0.2
60°-70°	0.4	0.1
70°-80°	0.0	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°	572.3	97.1
0°-40°	585.0	99.2
0°-60°	589.2	99.9
0°-90°	589.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	589.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5399	
5°	4288	324
15°	624	195
25°	108	54
35°	18	13
45°	3	3
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P277957

CATALOG NUMBER: LDA2B059730D010 EU2B05SP159730 2LBAD1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	5398.9
1°	5339.2
2°	5196.2
3°	4978.0
4°	4670.1
5°	4288.0
6°	3821.3
7°	3310.1
8°	2773.0
9°	2279.0
10°	1840.3
11°	1468.9
12°	1169.2
13°	942.9
14°	762.9
15°	623.6
17.5°	387.1
20°	248.8
22.5°	163.1
25°	108.4
27.5°	69.6
30°	41.7
32.5°	26.2
35°	18.4
37.5°	13.4
40°	9.3
42.5°	5.5
45°	3.2
47.5°	2.3
50°	1.7
52.5°	1.5
55°	1.2
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P277957

CATALOG NUMBER: LDA2B059730D010 EU2B05SP159730 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)