

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: P280962

Luminaire Tested: **LDA2B209730D010 EU2B20WFL559730 2LBAD1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B209730D010 EU2B20WFL559730 2LBAD1H
Description: PORTFOLIO 2IN ADJ 2000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1579.5 lumens
Efficiency: N/A
Efficacy: 76.7 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

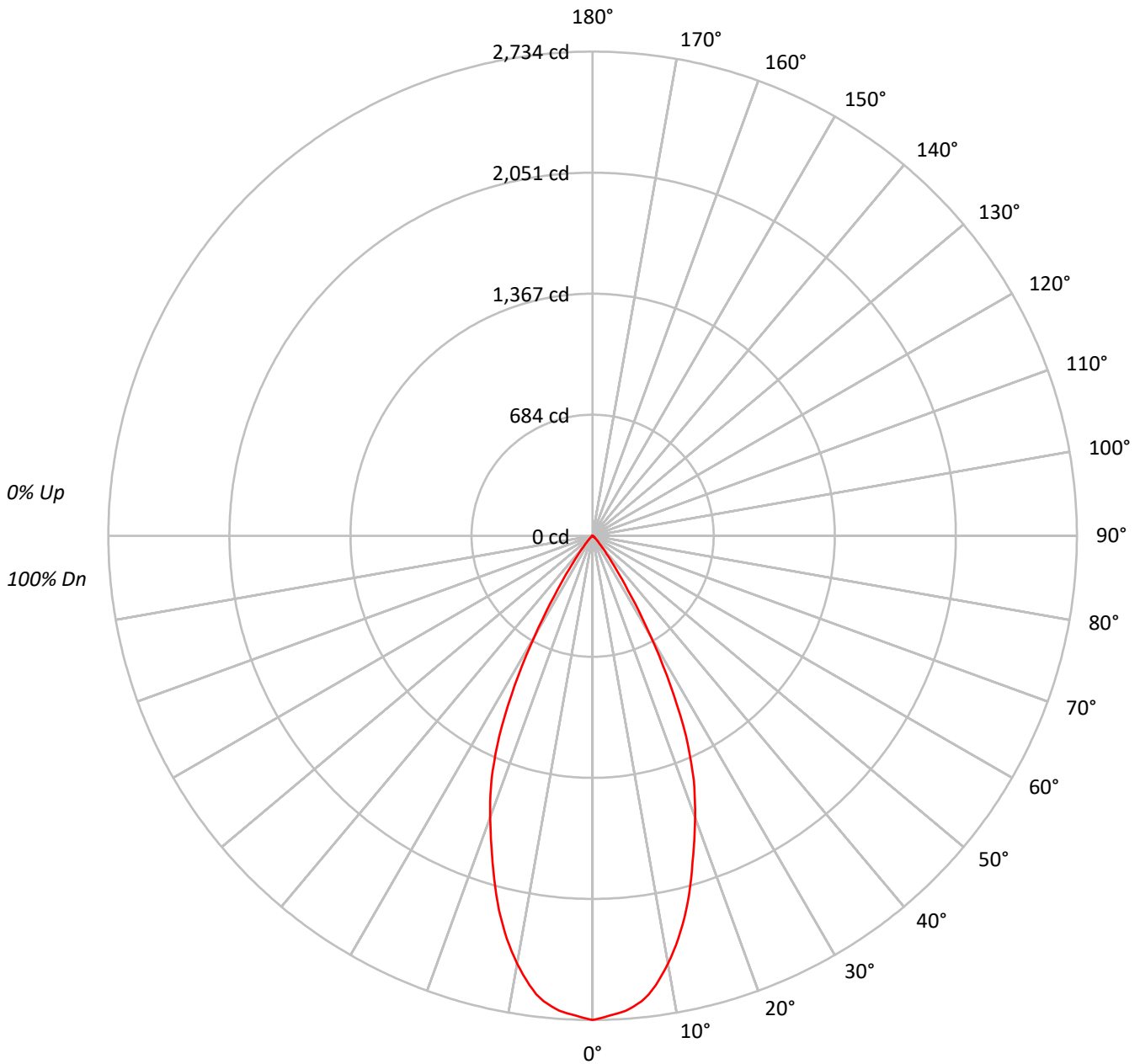
Input Watts (W): 20.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280962

CATALOG NUMBER: LDA2B209730D010 EU2B20WFL559730 2LBAD1H

Luminous Intensity Polar Plot





TEST NUMBER: P280962

CATALOG NUMBER: LDA2B209730D010 EU2B20WFL559730 2LBAD1H

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85			
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76			
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72			
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69			
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65			
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62			
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1348900
5°	1321416
10°	1228836
15°	1072914
20°	888289
25°	679421
30°	371777
35°	137622
40°	47659
45°	21490
50°	10131
55°	5075
60°	1480
65°	817
70°	1010
75°	0
80°	0
85°	0



TEST NUMBER: P280962

CATALOG NUMBER: LDA2B209730D010 EU2B20WFL559730 2LBAD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.9	15.7
10°-20°	580.6	36.8
20°-30°	548.8	34.7
30°-40°	168.9	10.7
40°-50°	26.7	1.7
50°-60°	5.7	0.4
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°	1377.3	87.2
0°-40°	1546.2	97.9
0°-60°	1578.6	99.9
0°-90°	1579.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1579.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2734	
5°	2668	248
15°	2101	581
25°	1248	549
35°	228	169
45°	31	27
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280962

CATALOG NUMBER: LDA2B209730D010 EU2B20WFL559730 2LBAD1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2734.1
1°	2723.9
2°	2711.4
3°	2701.2
4°	2688.0
5°	2668.2
6°	2642.6
7°	2608.2
8°	2562.0
9°	2508.6
10°	2452.9
11°	2391.4
12°	2326.2
13°	2255.1
14°	2181.2
15°	2100.6
17.5°	1887.5
20°	1691.9
22.5°	1493.4
25°	1248.1
27.5°	952.2
30°	652.6
32.5°	400.6
35°	228.5
37.5°	127.4
40°	74.0
42.5°	46.1
45°	30.8
47.5°	20.5
50°	13.2
52.5°	8.8
55°	5.9
57.5°	3.7
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: P280962

CATALOG NUMBER: LDA2B209730D010 EU2B20WFL559730 2LBAD1H

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)