

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: P#

Luminaire Tested: **LD2B15D010 EU2B15WFL559730 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15WFL559730 2LBDLC*MB
Description: 1500 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

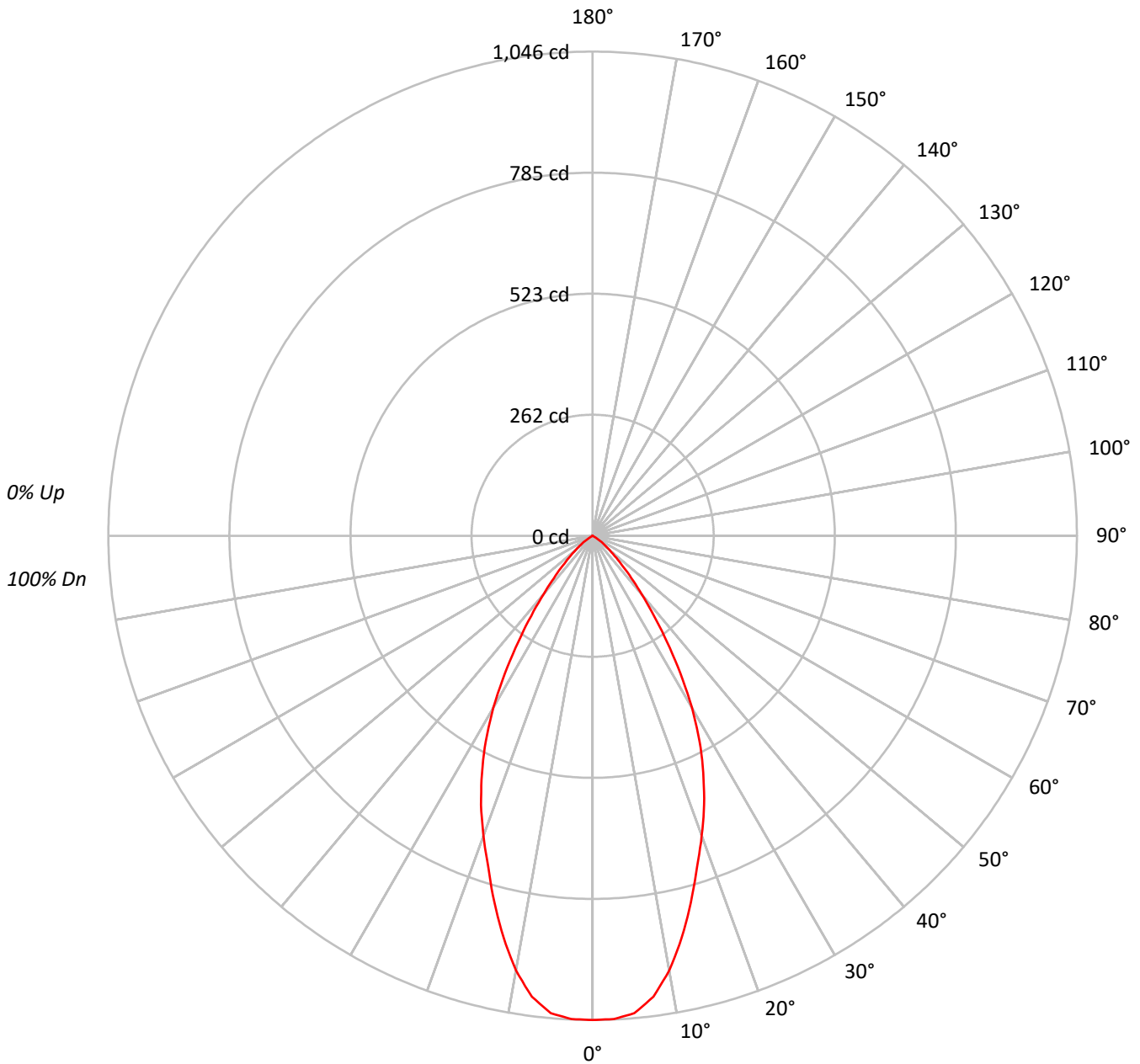
Lumens per Lamp: N/A
Luminaire Lumens: 851.2 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.3
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: P#
CATALOG NUMBER: LD2B15D010 EU2B15WFL559730 2LBDLC*MB

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL559730 2LBDLC*MB

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	63	70	66	62	69	65	62	60			
8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			
10	71	62	56	52	70	61	56	52	60	55	52	60	55	52	59	55	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	405203
5°	402590
10°	374953
15°	328828
20°	284050
25°	241603
30°	191655
35°	132260
40°	83027
45°	49575
50°	28684
55°	14452
60°	930
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL559730 2LBDLC*MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	11.3
10°-20°	228.5	26.8
20°-30°	257.3	30.2
30°-40°	176.7	20.8
40°-50°	73.4	8.6
50°-60°	18.9	2.2
60°-70°	0.1	0.0
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°	582.0	68.4
0°-40°	758.7	89.1
0°-60°	851.1	100.0
0°-90°	851.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	851.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1046	
5°	1035	96
15°	820	229
25°	565	257
35°	280	177
45°	90	73
55°	21	19
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B15D010 EU2B15WFL559730 2LBDLC*MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1046.1
2.5°	1044.9
5°	1035.4
7.5°	1004.5
10°	953.3
12.5°	889.0
15°	820.0
17.5°	749.8
20°	689.1
22.5°	629.6
25°	565.3
27.5°	499.9
30°	428.5
32.5°	352.3
35°	279.7
37.5°	217.8
40°	164.2
42.5°	123.8
45°	90.5
47.5°	65.5
50°	47.6
52.5°	33.3
55°	21.4
57.5°	7.1
60°	1.2
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)