

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: **LD2B10D010 EU2B10WFL559030D2W 2LBD*LI**

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 (P29153)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10WFL559030D2W 2LBD*LI
Description: 1000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 581.4 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.8
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

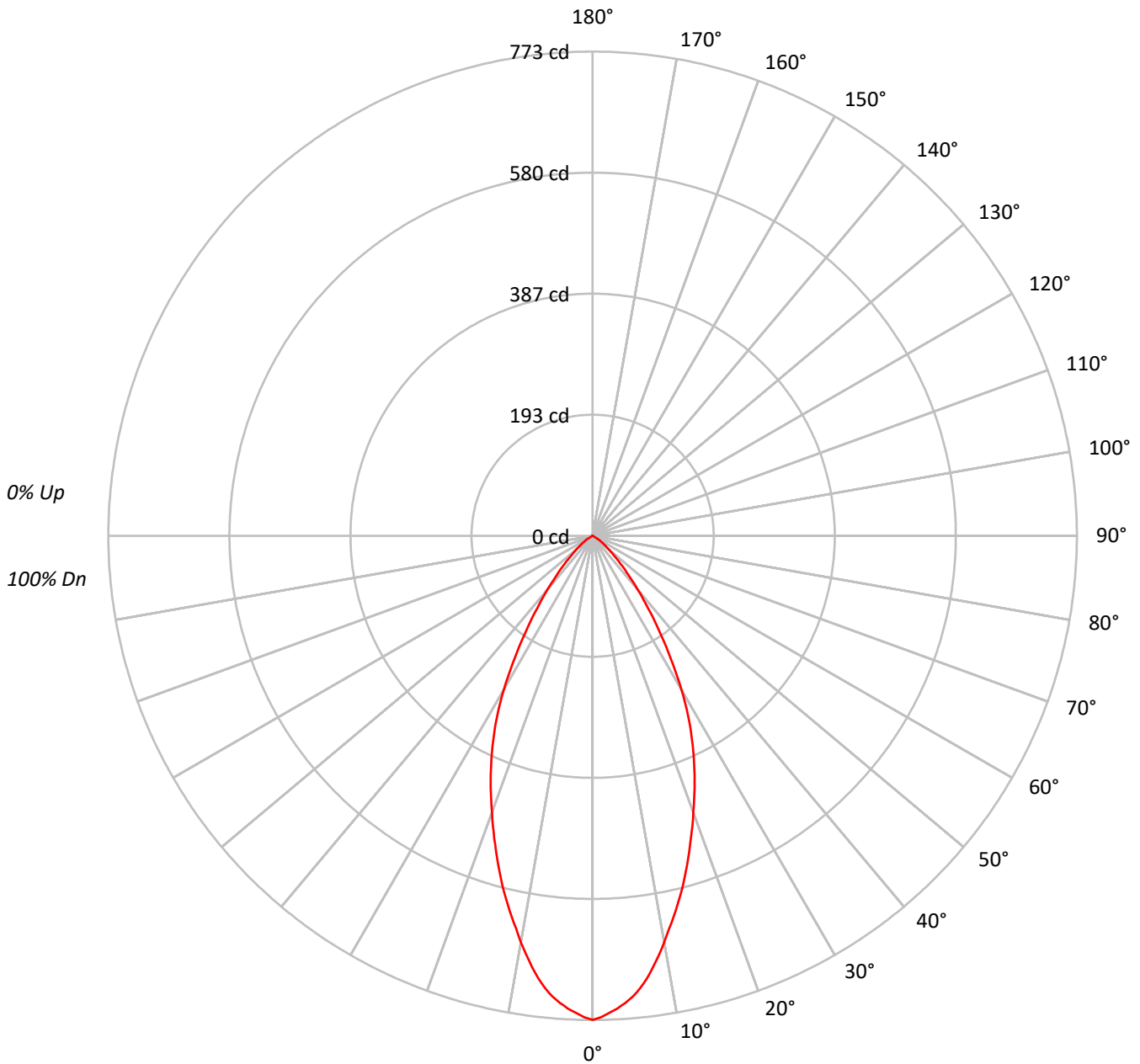
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	81	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	82	73	67	63	72	66	63	70	66	62	69	65	62	61			
8	79	69	63	59	78	69	63	59	68	62	59	66	62	58	66	61	58	57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	299380
5°	287031
10°	259199
15°	227092
20°	193736
25°	162493
30°	126801
35°	87385
40°	56127
45°	33963
50°	19946
55°	11143
60°	3176
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	11.7
10°-20°	157.4	27.1
20°-30°	173.0	29.7
30°-40°	117.0	20.1
40°-50°	50.1	8.6
50°-60°	15.3	2.6
60°-70°	0.6	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°	398.3	68.5
0°-40°	515.3	88.6
0°-60°	580.8	99.9
0°-90°	581.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	773	
5°	738	68
15°	566	157
25°	380	173
35°	185	117
45°	62	50
55°	16	15
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	772.9
1°	768.9
2°	762.3
3°	755.8
4°	747.5
5°	738.2
6°	726.3
7°	712.1
8°	695.0
9°	677.3
10°	659.0
11°	639.5
12°	621.8
13°	603.5
14°	585.2
15°	566.3
17.5°	517.3
20°	470.0
22.5°	425.2
25°	380.2
27.5°	334.2
30°	283.5
32.5°	232.0
35°	184.8
37.5°	144.7
40°	111.0
42.5°	83.8
45°	62.0
47.5°	45.4
50°	33.1
52.5°	23.6
55°	16.5
57.5°	10.7
60°	4.1
62.5°	0.6
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)