

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: **LD2B05D010 EU2B05WFL559030 2LBDLC\*MW**

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 (P14810)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B05D010 EU2B05WFL559030 2LBDLC\*MW  
Description: 500 Lumen, 2inch Portfolio LED Downlight  
WIDE FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

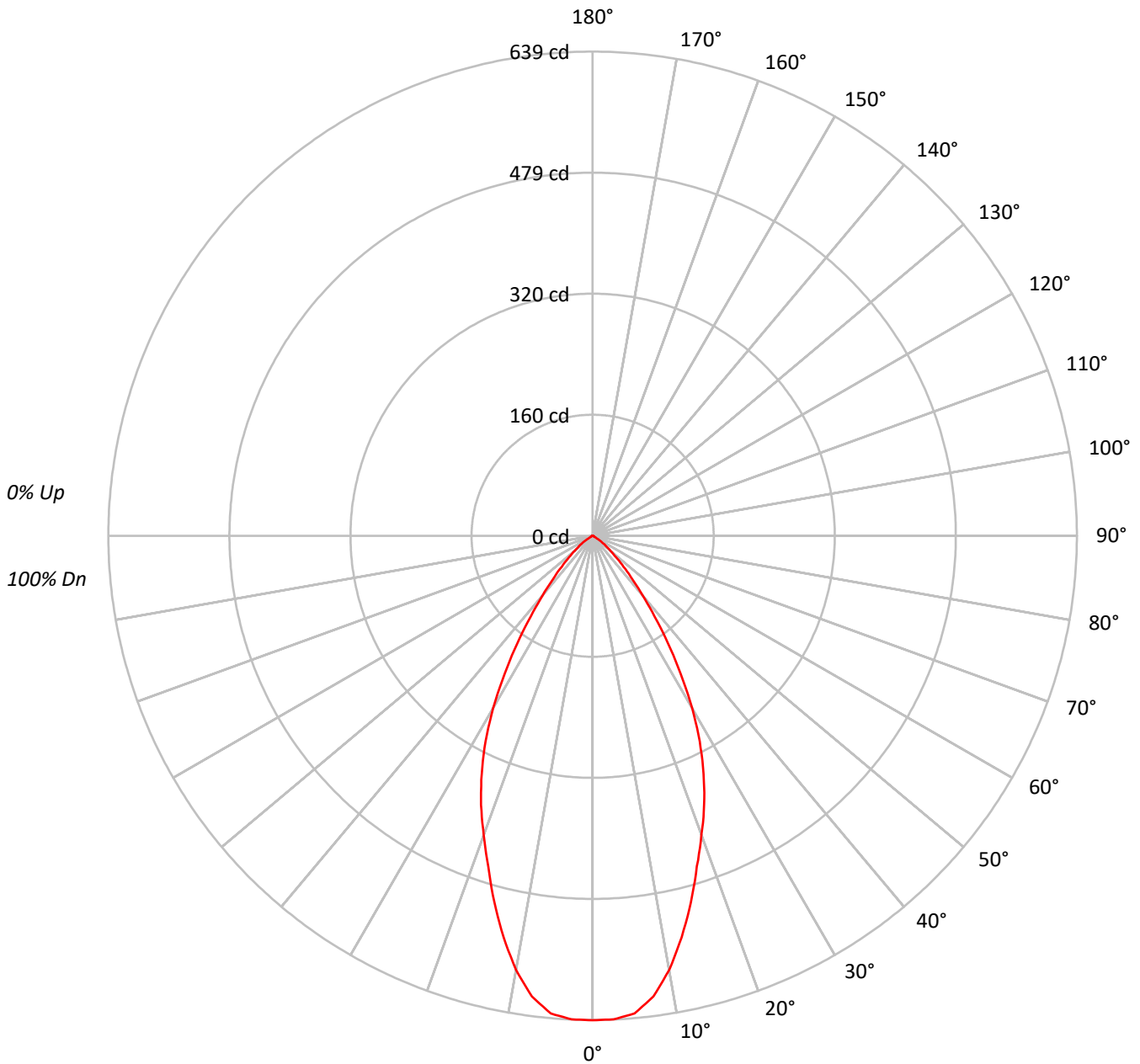
Lumens per Lamp: N/A  
Luminaire Lumens: 528.0 lumens  
Efficiency: N/A  
Efficacy: 72.3 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: LD2B05D010 EU2B05WFL559030 2LBDLC\**MW*

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL559030 2LBDLC\*MW

**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	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93			
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80			
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74			
5	91	83	77	72	90	82	76	72	80	75	72	78	74	71	77	73	70	69			
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60			
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56			
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	247669
5°	246088
10°	228795
15°	200866
20°	173126
25°	148048
30°	117497
35°	81900
40°	51829
45°	31607
50°	18681
55°	10265
60°	2247
65°	2016
70°	1586
75°	2095
80°	1561
85°	3111



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL559030 2LBDLC\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.7	11.1
10°-20°	139.5	26.4
20°-30°	157.4	29.8
30°-40°	108.9	20.6
40°-50°	46.4	8.8
50°-60°	13.4	2.5
60°-70°	2.0	0.4
70°-80°	1.2	0.2
80°-90°	0.5	0.1
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°	355.6	67.4
0°-40°	464.5	88.0
0°-60°	524.3	99.3
0°-90°	528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	528.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	639	
5°	633	59
15°	501	139
25°	346	157
35°	173	109
45°	58	46
55°	15	13
65°	2	2
75°	1	1
85°	1	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL559030 2LBDLC\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	639.4
2.5°	638.7
5°	632.9
7.5°	613.4
10°	581.7
12.5°	542.7
15°	500.9
17.5°	457.6
20°	420.0
22.5°	384.7
25°	346.4
27.5°	306.0
30°	262.7
32.5°	215.8
35°	173.2
37.5°	134.2
40°	102.5
42.5°	77.2
45°	57.7
47.5°	41.9
50°	31.0
52.5°	22.4
55°	15.2
57.5°	6.5
60°	2.9
62.5°	2.2
65°	2.2
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)