

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 EU2B05WFL559050 2LBDSQC\*MMS**

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 (P14811)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B05D010 EU2B05WFL559050 2LBDSQC\*MMS  
Description: 500 Lumen, 2inch Portfolio LED Downlight  
WIDE FLOOD OPTIC  
SQUARE CAST TRIM WITH MATTE METALLIC SILVER  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 612.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

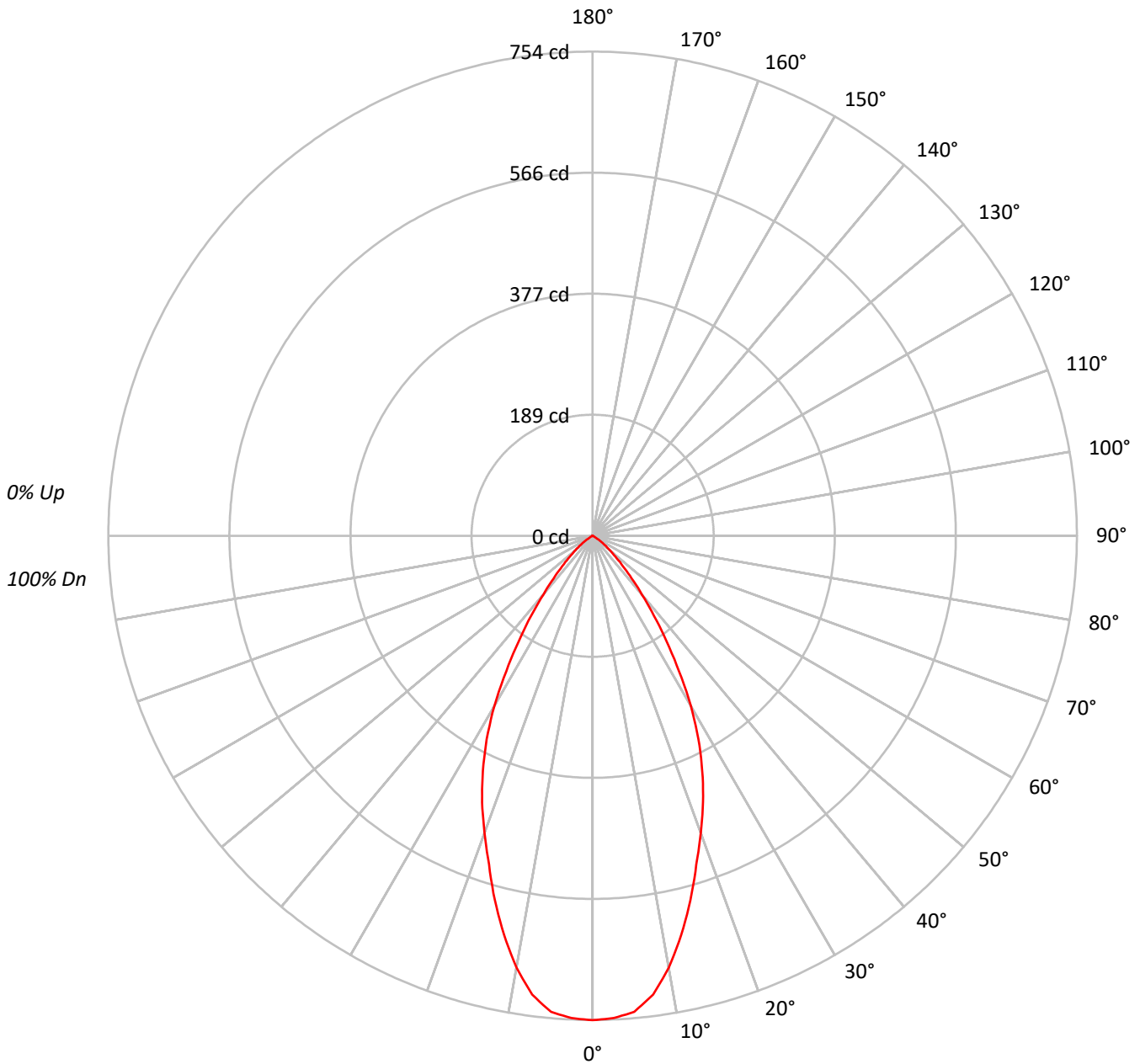
Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL559050 2LBDSQC\*MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL559050 2LBDSQC\*MMS

**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	108	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	84	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	74			
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	66	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	62	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

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

	0°
0°	292175
5°	289364
10°	268599
15°	235794
20°	202887
25°	172665
30°	136775
35°	94951
40°	60323
45°	36373
50°	20730
55°	11345
60°	1317
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL559050 2LBDSQC\*MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.0	11.3
10°-20°	163.7	26.7
20°-30°	183.7	30.0
30°-40°	126.6	20.7
40°-50°	53.5	8.7
50°-60°	15.1	2.5
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°	416.4	68.0
0°-40°	543.0	88.7
0°-60°	611.6	99.9
0°-90°	612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	754	
5°	744	69
15°	588	164
25°	404	184
35°	201	127
45°	66	54
55°	17	15
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL559050 2LBDSQC\*MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	754.3
2.5°	751.8
5°	744.2
7.5°	720.7
10°	682.9
12.5°	636.7
15°	588.0
17.5°	536.7
20°	492.2
22.5°	449.4
25°	404.0
27.5°	357.0
30°	305.8
32.5°	250.3
35°	200.8
37.5°	157.1
40°	119.3
42.5°	89.9
45°	66.4
47.5°	47.9
50°	34.4
52.5°	25.2
55°	16.8
57.5°	8.4
60°	1.7
62.5°	0.8
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)