

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: P264807

Luminaire Tested: **LD2B05D010 EU2B0510SP158050 2LBSQLC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264807  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B05D010 EU2B0510SP158050 2LBSQLC\*MW  
Description: 500 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 741.0 lumens  
Efficiency: N/A  
Efficacy: 101.5 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

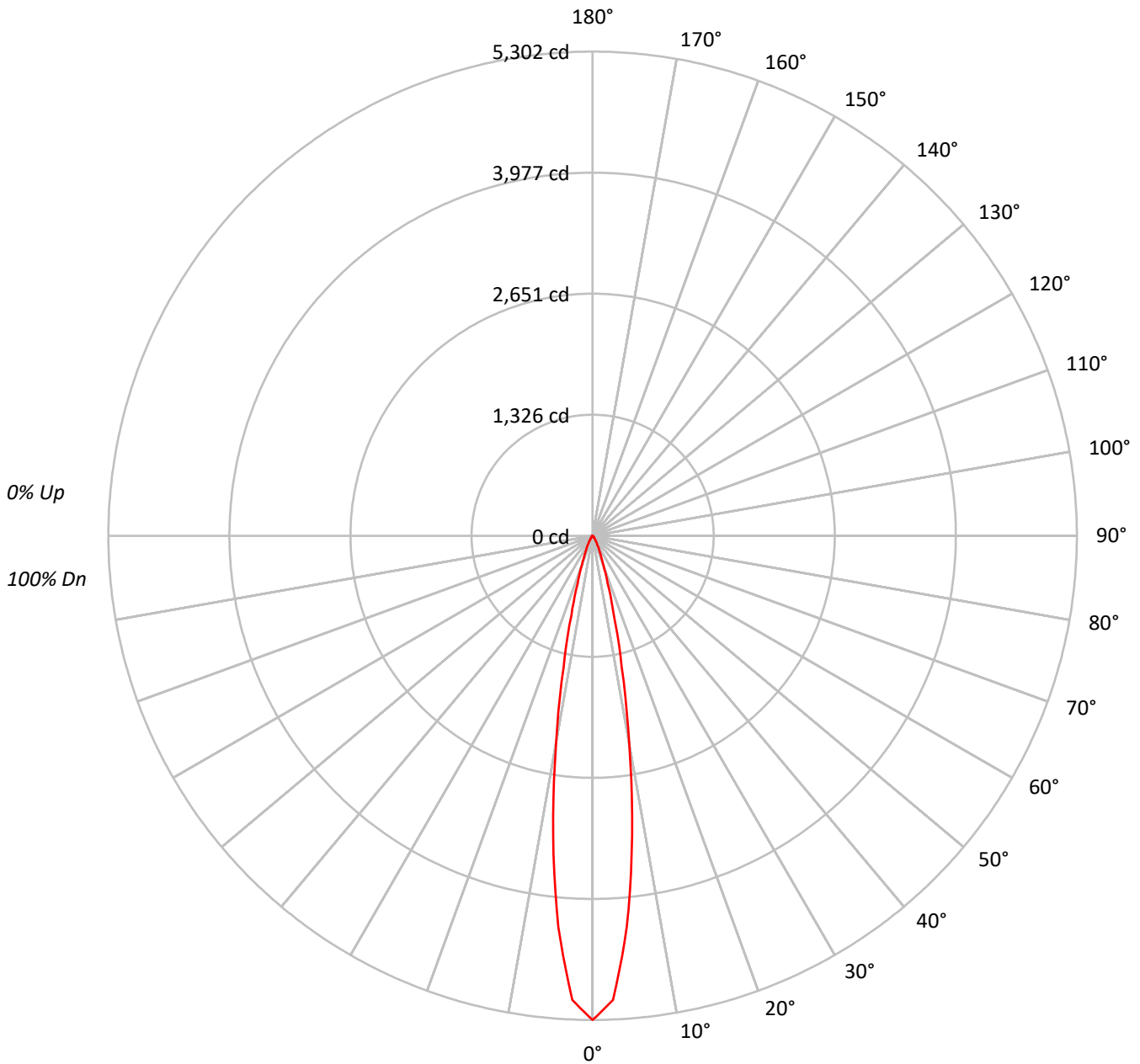
Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P264807

CATALOG NUMBER: LD2B05D010 EU2B0510SP158050 2LBSQLC\*MW

### Luminous Intensity Polar Plot





TEST NUMBER: P264807

CATALOG NUMBER: LD2B05D010 EU2B0510SP158050 2LBSQLC\*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	100	100	100
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97	97	97	97
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94	94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89	89
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87	87
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85	85	85	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83	83	83	83
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79	79	79	79
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78	78	78	78

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

	0°
0°	2615903
5°	2129064
10°	1150083
15°	458565
20°	183864
25°	88078
30°	45632
35°	24152
40°	13396
45°	8303
50°	5680
55°	3871
60°	2960
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264807

CATALOG NUMBER: LD2B05D010 EU2B0510SP158050 2LBSQLC\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.7	46.7
10°-20°	272.8	36.8
20°-30°	80.5	10.9
30°-40°	26.8	3.6
40°-50°	10.1	1.4
50°-60°	4.5	0.6
60°-70°	0.7	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°	699.0	94.3
0°-40°	725.8	97.9
0°-60°	740.3	99.9
0°-90°	741.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5302	
5°	4299	346
15°	898	273
25°	162	80
35°	40	27
45°	12	10
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264807

CATALOG NUMBER: LD2B05D010 EU2B0510SP158050 2LBSQLC\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5302.2
2.5°	5088.5
5°	4299.0
7.5°	3312.2
10°	2295.7
12.5°	1469.1
15°	897.8
17.5°	547.6
20°	350.2
22.5°	234.5
25°	161.8
27.5°	114.3
30°	80.1
32.5°	56.4
35°	40.1
37.5°	28.2
40°	20.8
42.5°	16.3
45°	11.9
47.5°	10.4
50°	7.4
52.5°	5.9
55°	4.5
57.5°	4.5
60°	3.0
62.5°	1.5
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)