

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: P264847

Luminaire Tested: **LD2B20D010 EU2B2010SP158050 2LBSQLC\*MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264847  
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: LD2B20D010 EU2B2010SP158050 2LBSQLC\*MMS  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1646.0 lumens  
Efficiency: N/A  
Efficacy: 78.8 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

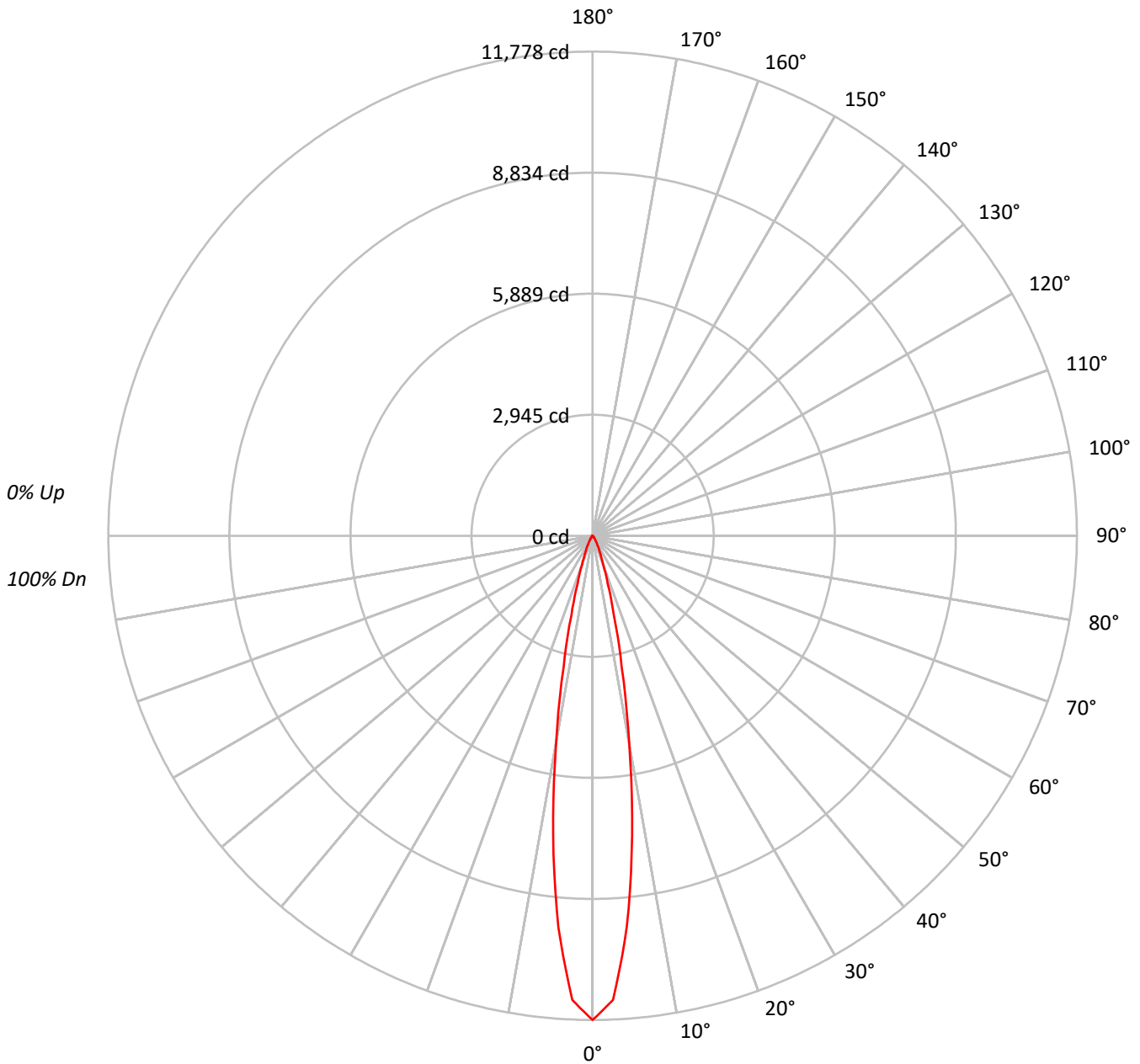
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P264847

CATALOG NUMBER: LD2B20D010 EU2B2010SP158050 2LBSQLC\*MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P264847

CATALOG NUMBER: LD2B20D010 EU2B2010SP158050 2LBSQLC\*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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78

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

	0°
0°	5810716
5°	4729355
10°	2554660
15°	1018620
20°	408417
25°	195590
30°	101404
35°	53603
40°	29690
45°	18420
50°	12664
55°	8515
60°	6512
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P264847

CATALOG NUMBER: LD2B20D010 EU2B2010SP158050 2LBSQLC\*MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	768.0	46.7
10°-20°	605.9	36.8
20°-30°	178.7	10.9
30°-40°	59.5	3.6
40°-50°	22.4	1.4
50°-60°	9.9	0.6
60°-70°	1.6	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°	1552.6	94.3
0°-40°	1612.1	97.9
0°-60°	1644.4	99.9
0°-90°	1646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1646.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11778	
5°	9550	768
15°	1994	606
25°	359	179
35°	89	59
45°	26	22
55°	10	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P264847

CATALOG NUMBER: LD2B20D010 EU2B2010SP158050 2LBSQLC\*MMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11777.8
2.5°	11303.1
5°	9549.5
7.5°	7357.4
10°	5099.4
12.5°	3263.4
15°	1994.3
17.5°	1216.3
20°	777.9
22.5°	520.8
25°	359.3
27.5°	253.8
30°	178.0
32.5°	125.3
35°	89.0
37.5°	62.6
40°	46.1
42.5°	36.3
45°	26.4
47.5°	23.1
50°	16.5
52.5°	13.2
55°	9.9
57.5°	9.9
60°	6.6
62.5°	3.3
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)