

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: P263945

Luminaire Tested: **LD2B15D010 EU2B1510SP158027 2LBDC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P263945  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B15D010 EU2B1510SP158027 2LBDC\*MB  
Description: 1500 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1214.9 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

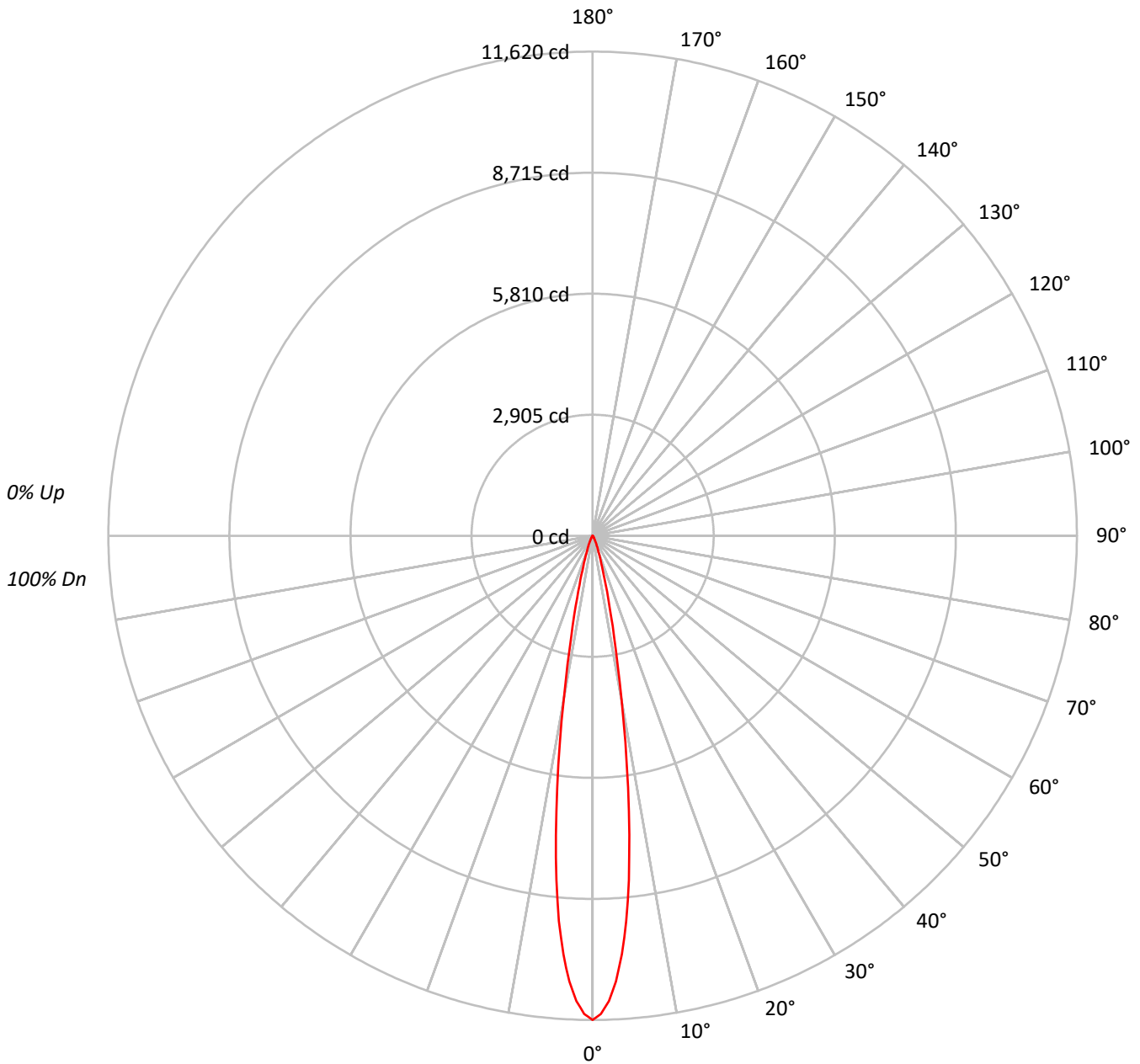
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P263945

CATALOG NUMBER: LD2B15D010 EU2B1510SP158027 2LBDC\*MB

### Luminous Intensity Polar Plot





TEST NUMBER: P263945

CATALOG NUMBER: LD2B15D010 EU2B1510SP158027 2LBDC\*MB

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98																			
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96																			
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94																			
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92																			
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90																			
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89																			
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87																			
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86																			
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85																			
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83																			

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

	0°
0°	5733111
5°	4595341
10°	2005694
15°	621551
20°	216678
25°	95699
30°	43353
35°	22525
40°	12816
45°	6070
50°	3838
55°	2150
60°	1184
65°	1401
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P263945

CATALOG NUMBER: LD2B15D010 EU2B1510SP158027 2LBDC\*MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	704.6	58.0
10°-20°	385.9	31.8
20°-30°	88.0	7.2
30°-40°	25.3	2.1
40°-50°	7.8	0.6
50°-60°	2.3	0.2
60°-70°	1.0	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°	1178.5	97.0
0°-40°	1203.8	99.1
0°-60°	1213.9	99.9
0°-90°	1214.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1214.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11620	
5°	9279	705
15°	1217	386
25°	176	88
35°	37	25
45°	9	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P263945

CATALOG NUMBER: LD2B15D010 EU2B1510SP158027 2LBDC\*MB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11620.5
1°	11475.9
2°	11175.4
3°	10709.1
4°	10068.2
5°	9278.9
6°	8311.4
7°	7230.4
8°	6102.0
9°	5009.8
10°	4003.6
11°	3152.0
12°	2481.2
13°	1952.5
14°	1542.3
15°	1216.9
16°	960.1
17°	764.3
18°	614.7
19°	500.0
20°	412.7
22.5°	266.8
25°	175.8
26°	148.4
27°	125.9
28°	106.0
29°	88.5
30°	76.1
32.5°	52.4
35°	37.4
37.5°	27.4
40°	19.9
42.5°	13.7
45°	8.7
47.5°	6.2
50°	5.0
52.5°	3.7
55°	2.5
57.5°	1.2
60°	1.2
62.5°	1.2
65°	1.2
67.5°	1.2



TEST NUMBER: P263945

CATALOG NUMBER: LD2B15D010 EU2B1510SP158027 2LBDC\*MB

**CANDELA DISTRIBUTION (continued):**

	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°







70°		0.0
72.5°		0.0



(END OF REPORT)