

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: P265032

Luminaire Tested: **LD2B15D010 EU2B1510SP159035 2LBDL*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P265032
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: LD2B15D010 EU2B1510SP159035 2LBDL*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1086.0 lumens
Efficiency: N/A
Efficacy: 75.9 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

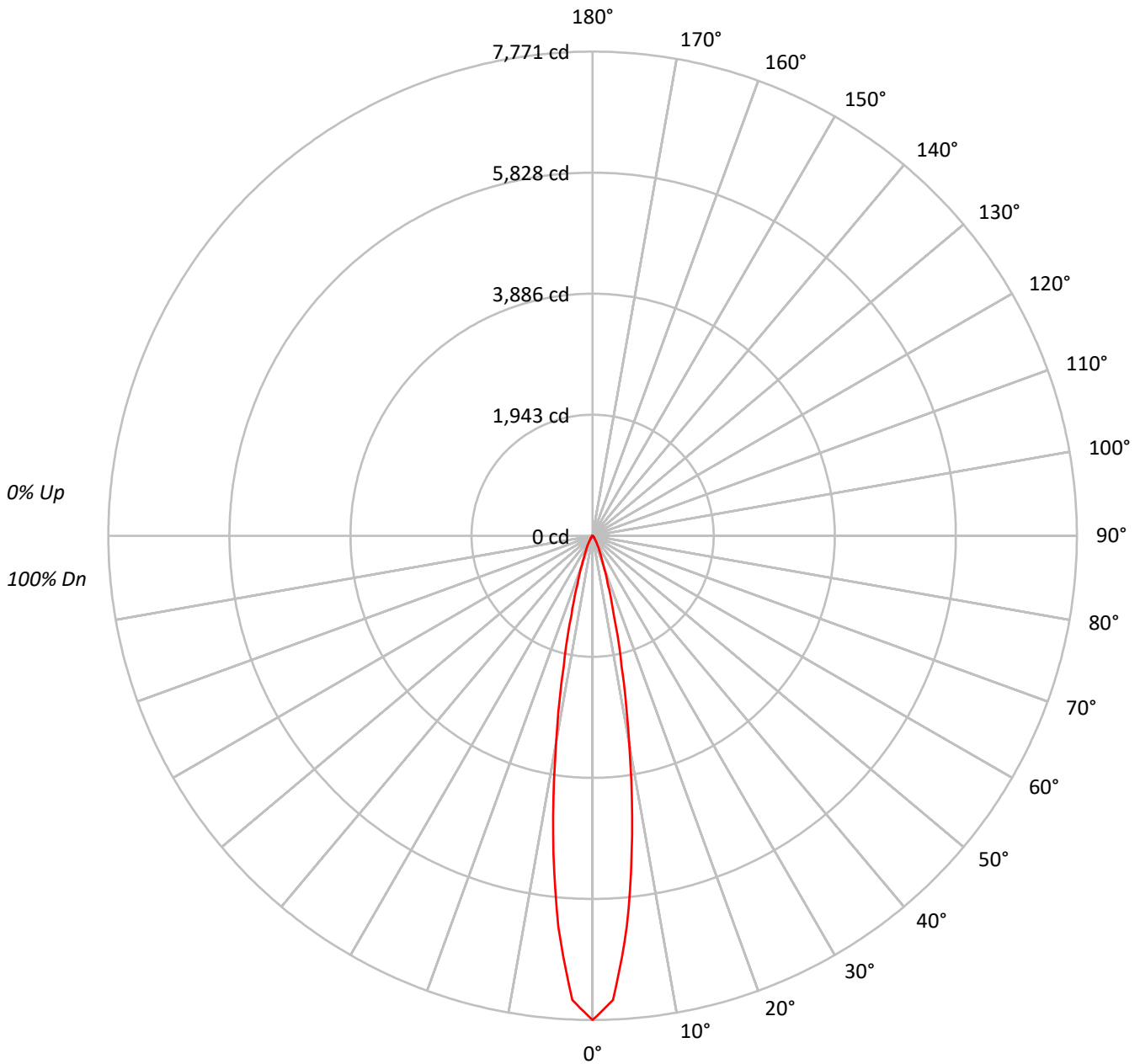
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P265032

CATALOG NUMBER: LD2B15D010 EU2B1510SP159035 2LBDL*MW

Luminous Intensity Polar Plot





TEST NUMBER: P265032

CATALOG NUMBER: LD2B15D010 EU2B1510SP159035 2LBDL*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	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	106	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°	3833816
5°	3120349
10°	1685523
15°	672066
20°	269495
25°	129069
30°	66881
35°	35354
40°	19579
45°	12140
50°	8366
55°	5591
60°	4243
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P265032

CATALOG NUMBER: LD2B15D010 EU2B1510SP159035 2LBDL*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.7	46.7
10°-20°	399.8	36.8
20°-30°	117.9	10.9
30°-40°	39.2	3.6
40°-50°	14.7	1.4
50°-60°	6.5	0.6
60°-70°	1.1	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°	1024.4	94.3
0°-40°	1063.6	97.9
0°-60°	1084.9	99.9
0°-90°	1086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1086.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7771	
5°	6301	507
15°	1316	400
25°	237	118
35°	59	39
45°	17	15
55°	6	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P265032

CATALOG NUMBER: LD2B15D010 EU2B1510SP159035 2LBDL*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	7770.8
2.5°	7457.6
5°	6300.6
7.5°	4854.3
10°	3364.5
12.5°	2153.1
15°	1315.8
17.5°	802.5
20°	513.3
22.5°	343.6
25°	237.1
27.5°	167.5
30°	117.4
32.5°	82.6
35°	58.7
37.5°	41.3
40°	30.4
42.5°	23.9
45°	17.4
47.5°	15.2
50°	10.9
52.5°	8.7
55°	6.5
57.5°	6.5
60°	4.3
62.5°	2.2
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)