

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: P264571

Luminaire Tested: **LD2B15D010 EU2B1510SP159730 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264571
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 EU2B1510SP159730 2LBDC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 917.0 lumens
Efficiency: N/A
Efficacy: 64.1 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

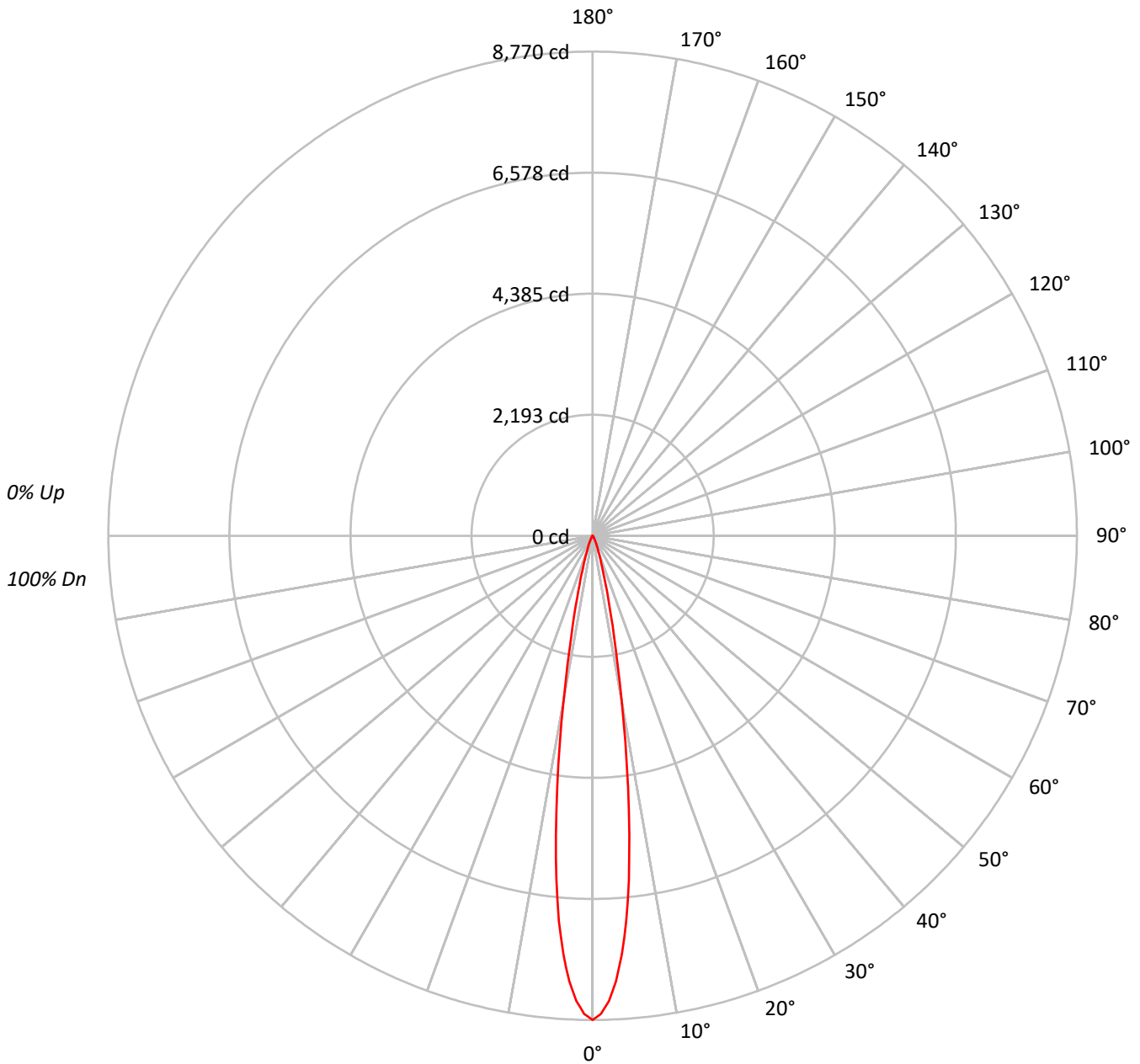
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	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	96	94	92	90	88	86	84	82	80																			
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	94	92	90	88	86	84	82	80	78																			
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	92	90	88	86	84	82	80	78	76																			
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	90	88	86	84	82	80	78	76	74																			
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	88	86	84	82	80	78	76	74	72																			
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	87	85	83	81	79	77	75	73	71																			
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	85	83	81	79	77	75	73	71	69																			
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	84	82	80	78	76	74	72	70	68																			
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	84	82	80	78	76	74	72	70	68	66																			
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83	81	79	77	75	73	71	69	67	65																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4326980
5°	3468260
10°	1513739
15°	469087
20°	163545
25°	72237
30°	32700
35°	16984
40°	9725
45°	4605
50°	2917
55°	1634
60°	888
65°	1051
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.8	58.0
10°-20°	291.2	31.8
20°-30°	66.4	7.2
30°-40°	19.1	2.1
40°-50°	5.9	0.6
50°-60°	1.8	0.2
60°-70°	0.8	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°	889.4	97.0
0°-40°	908.5	99.1
0°-60°	916.2	99.9
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8770	
5°	7003	532
15°	918	291
25°	133	66
35°	28	19
45°	7	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8770.4
1°	8661.2
2°	8434.4
3°	8082.5
4°	7598.8
5°	7003.1
6°	6272.9
7°	5457.0
8°	4605.4
9°	3781.0
10°	3021.6
11°	2378.9
12°	1872.6
13°	1473.6
14°	1164.1
15°	918.4
16°	724.6
17°	576.8
18°	463.9
19°	377.4
20°	311.5
22.5°	201.4
25°	132.7
26°	112.0
27°	95.0
28°	80.0
29°	66.8
30°	57.4
32.5°	39.5
35°	28.2
37.5°	20.7
40°	15.1
42.5°	10.4
45°	6.6
47.5°	4.7
50°	3.8
52.5°	2.8
55°	1.9
57.5°	0.9
60°	0.9
62.5°	0.9
65°	0.9
67.5°	0.9



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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



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— 0°-180°







70°		0.0
72.5°		0.0



(END OF REPORT)