

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: P264206

Luminaire Tested: **LD2B15D010 EU2B1510SP159024 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264206
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 EU2B1510SP159024 2LBDC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 931.1 lumens
Efficiency: N/A
Efficacy: 65.1 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

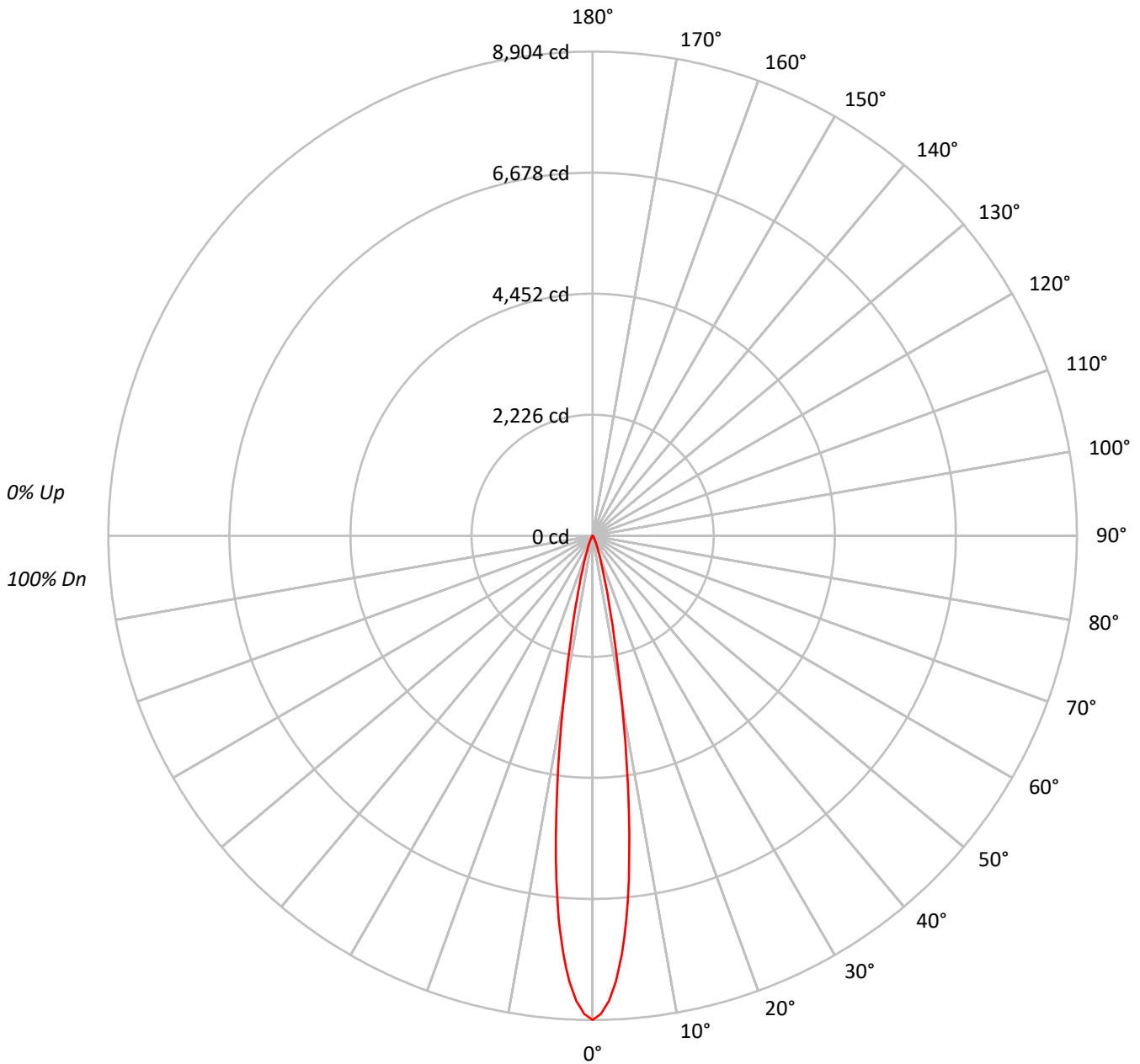
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	97	96	96	95	94	94	93	92	92	91	90																
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	95	94	94	93	92	92	91	90	89	89	88																
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	94	94	93	92	92	91	90	90	89	88	87	87	86	85																
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	94	92	92	91	90	90	89	88	87	87	86	85	85	84	83																
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	90	89	88	87	86	85	85	84	83	82	81	80																
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77																
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	86	85	84	83	82	81	80	79	78	77	76	75																
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74																
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	84	83	82	81	80	79	78	77	76	75	74	73	72																
10	95	90	87	85	95	90	87	85	89	86	84	89	86	84	88	86	84	83	82	81	80	79	78	77	76	75	74	73	72	71																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4393041
5°	3521202
10°	1536884
15°	476289
20°	166013
25°	73326
30°	33213
35°	17286
40°	9854
45°	4675
50°	2917
55°	1634
60°	987
65°	1167
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.9	58.0
10°-20°	295.7	31.8
20°-30°	67.4	7.2
30°-40°	19.4	2.1
40°-50°	6.0	0.6
50°-60°	1.8	0.2
60°-70°	0.9	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°	903.0	97.0
0°-40°	922.4	99.1
0°-60°	930.2	99.9
0°-90°	931.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8904	
5°	7110	540
15°	932	296
25°	135	67
35°	29	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°	8904.3
1°	8793.4
2°	8563.2
3°	8205.9
4°	7714.8
5°	7110.0
6°	6368.7
7°	5540.3
8°	4675.7
9°	3838.8
10°	3067.8
11°	2415.2
12°	1901.2
13°	1496.1
14°	1181.8
15°	932.5
16°	735.7
17°	585.7
18°	471.0
19°	383.1
20°	316.2
22.5°	204.5
25°	134.7
26°	113.7
27°	96.5
28°	81.2
29°	67.8
30°	58.3
32.5°	40.1
35°	28.7
37.5°	21.0
40°	15.3
42.5°	10.5
45°	6.7
47.5°	4.8
50°	3.8
52.5°	2.9
55°	1.9
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0



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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)