

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: P222232

Luminaire Tested: **LD2B15D010 EU2B15NFL259730 2LBD*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15NFL259730 2LBD*LI
Description: 1500 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1011.1 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

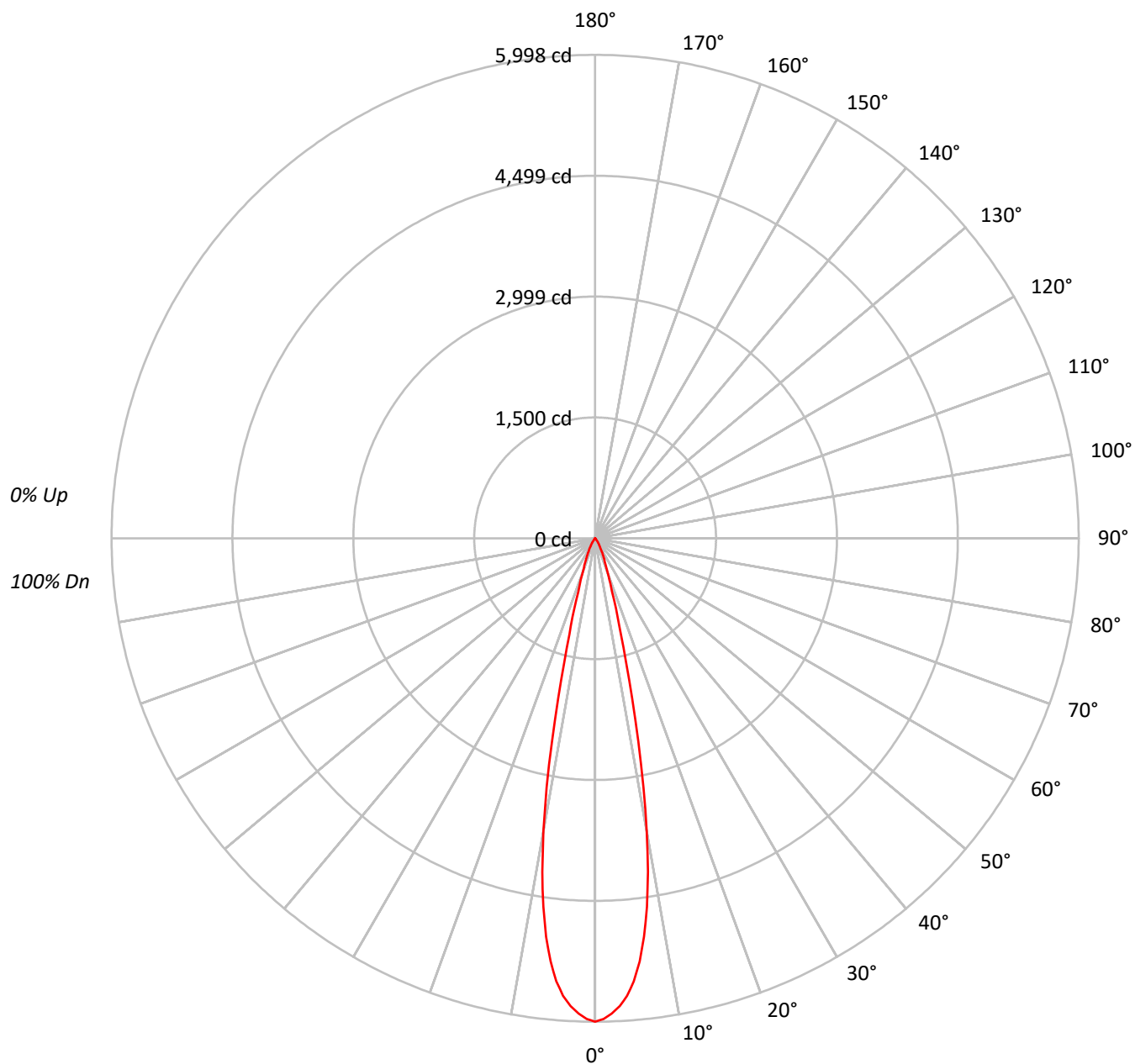
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	112	110	113	111	110	108		107	106	105		104	103	102		100	100	99
2	112	109	106	104	110	107	104	102		104	102	100		101	99	98		98	97	96
3	109	105	101	99	107	103	100	98		101	98	96		99	97	95		96	95	93
4	106	101	97	95	104	100	97	94		98	95	93		96	94	92		95	93	91
5	103	98	94	91	102	97	94	91		95	92	90		94	91	89		93	90	89
6	101	95	91	89	99	94	91	88		93	90	88		92	89	87		91	88	87
7	98	92	89	86	97	92	88	86		91	88	85		90	87	85		89	86	85
8	96	90	86	84	95	90	86	84		89	86	83		88	85	83		87	85	83
9	94	88	84	82	93	88	84	82		87	84	82		86	83	81		85	83	81
10	92	86	82	80	91	86	82	80		85	82	80		84	82	80		84	81	79

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2323495
5°	2145306
10°	1452103
15°	494044
20°	181453
25°	96205
30°	49423
35°	23076
40°	7534
45°	3835
50°	1808
55°	675
60°	775
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.3	46.4
10°-20°	394.6	39.0
20°-30°	108.3	10.7
30°-40°	31.6	3.1
40°-50°	5.9	0.6
50°-60°	1.3	0.1
60°-70°	0.1	0.0
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°	972.2	96.2
0°-40°	1003.8	99.3
0°-60°	1011.0	100.0
0°-90°	1011.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1011.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5998	
5°	5517	469
15°	1232	395
25°	225	108
35°	49	32
45°	7	6
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5998.5
1°	5963.6
2°	5901.9
3°	5813.2
4°	5691.7
5°	5517.4
6°	5279.4
7°	4981.6
8°	4618.1
9°	4188.9
10°	3691.9
11°	3147.1
12°	2580.4
13°	2039.7
14°	1578.5
15°	1232.0
17.5°	695.2
20°	440.2
22.5°	313.7
25°	225.1
27.5°	159.3
30°	110.5
32.5°	77.7
35°	48.8
37.5°	19.9
40°	14.9
42.5°	11.0
45°	7.0
47.5°	4.0
50°	3.0
52.5°	2.0
55°	1.0
57.5°	1.0
60°	1.0
62.5°	0.0
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)