

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: P222759

Luminaire Tested: **LD2B15D010 EU2B15NFL259030D2W 2LBDSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222759
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 EU2B15NFL259030D2W 2LBDSQLC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 721.5 lumens
Efficiency: N/A
Efficacy: 50.5 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

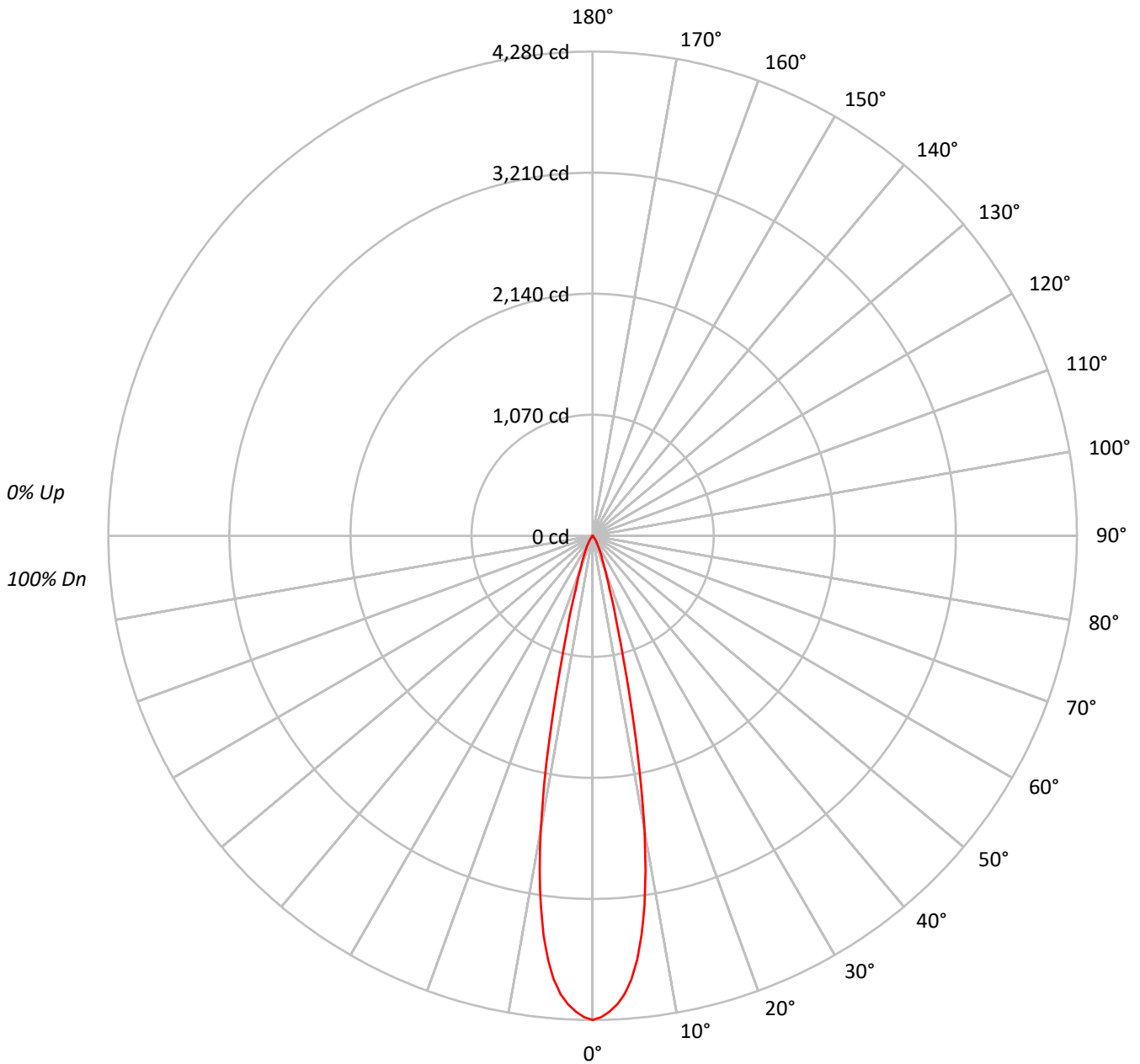
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1657996
5°	1530884
10°	1036205
15°	352528
20°	129474
25°	68639
30°	35289
35°	16503
40°	5410
45°	2739
50°	1265
55°	473
60°	542
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.9	46.4
10°-20°	281.6	39.0
20°-30°	77.3	10.7
30°-40°	22.5	3.1
40°-50°	4.2	0.6
50°-60°	0.9	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°	693.8	96.2
0°-40°	716.3	99.3
0°-60°	721.4	100.0
0°-90°	721.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4280	
5°	3937	335
15°	879	282
25°	161	77
35°	35	23
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4280.4
1°	4255.5
2°	4211.4
3°	4148.3
4°	4061.5
5°	3937.2
6°	3767.3
7°	3554.8
8°	3295.4
9°	2989.1
10°	2634.5
11°	2245.8
12°	1841.4
13°	1455.4
14°	1126.4
15°	879.1
17.5°	496.0
20°	314.1
22.5°	223.8
25°	160.6
27.5°	113.7
30°	78.9
32.5°	55.4
35°	34.9
37.5°	14.2
40°	10.7
42.5°	7.8
45°	5.0
47.5°	2.8
50°	2.1
52.5°	1.4
55°	0.7
57.5°	0.7
60°	0.7
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)