

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: P225308

Luminaire Tested: **LD2B15D010 EU2B15FL409035 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL409035 2LBDC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1158.3 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

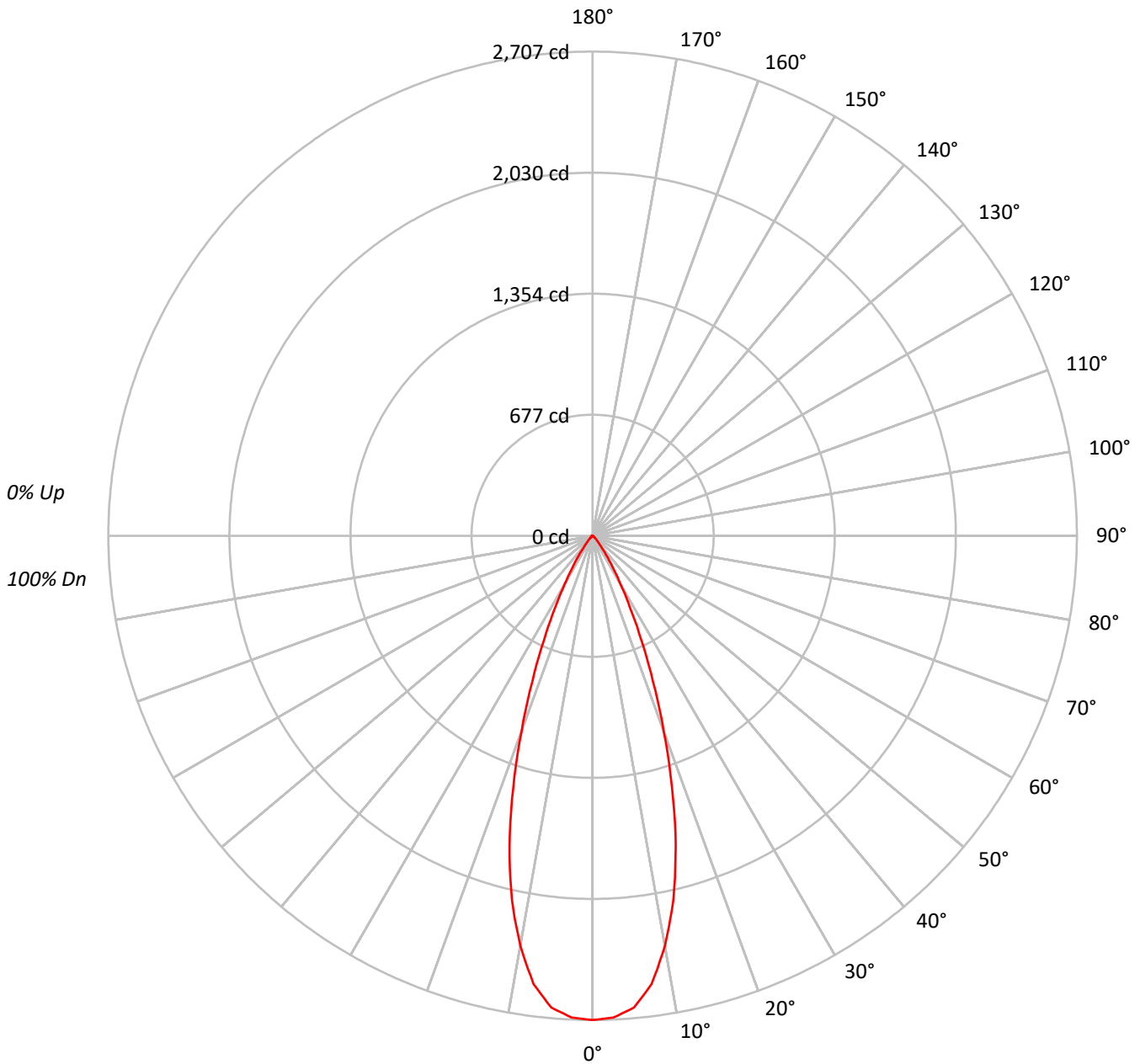
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91				91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86				86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82				82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79				79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75				75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72				72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69				69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66				66
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64				64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1048623
5°	1029532
10°	915180
15°	719773
20°	478941
25°	274982
30°	138877
35°	65350
40°	26294
45°	13037
50°	7171
55°	4997
60°	4571
65°	2750
70°	3398
75°	2245
80°	3346
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.5	20.9
10°-20°	486.2	42.0
20°-30°	302.5	26.1
30°-40°	93.0	8.0
40°-50°	20.4	1.8
50°-60°	7.2	0.6
60°-70°	3.7	0.3
70°-80°	2.2	0.2
80°-90°	0.6	0.1
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°	1031.2	89.0
0°-40°	1124.2	97.1
0°-60°	1151.9	99.4
0°-90°	1158.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2707	
5°	2648	242
15°	1795	486
25°	643	302
35°	138	93
45°	24	20
55°	7	7
65°	3	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2707.2
2.5°	2695.3
5°	2647.8
7.5°	2527.4
10°	2326.8
12.5°	2086.1
15°	1794.9
17.5°	1476.9
20°	1161.9
22.5°	881.1
25°	643.4
27.5°	453.2
30°	310.5
32.5°	209.5
35°	138.2
37.5°	83.2
40°	52.0
42.5°	35.7
45°	23.8
47.5°	16.3
50°	11.9
52.5°	10.4
55°	7.4
57.5°	5.9
60°	5.9
62.5°	4.5
65°	3.0
67.5°	3.0
70°	3.0
72.5°	3.0
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)