

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: P224982

Luminaire Tested: **LD2B15D010 EU2B15FL409050 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL409050 2LBDL*LI
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1143.9 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

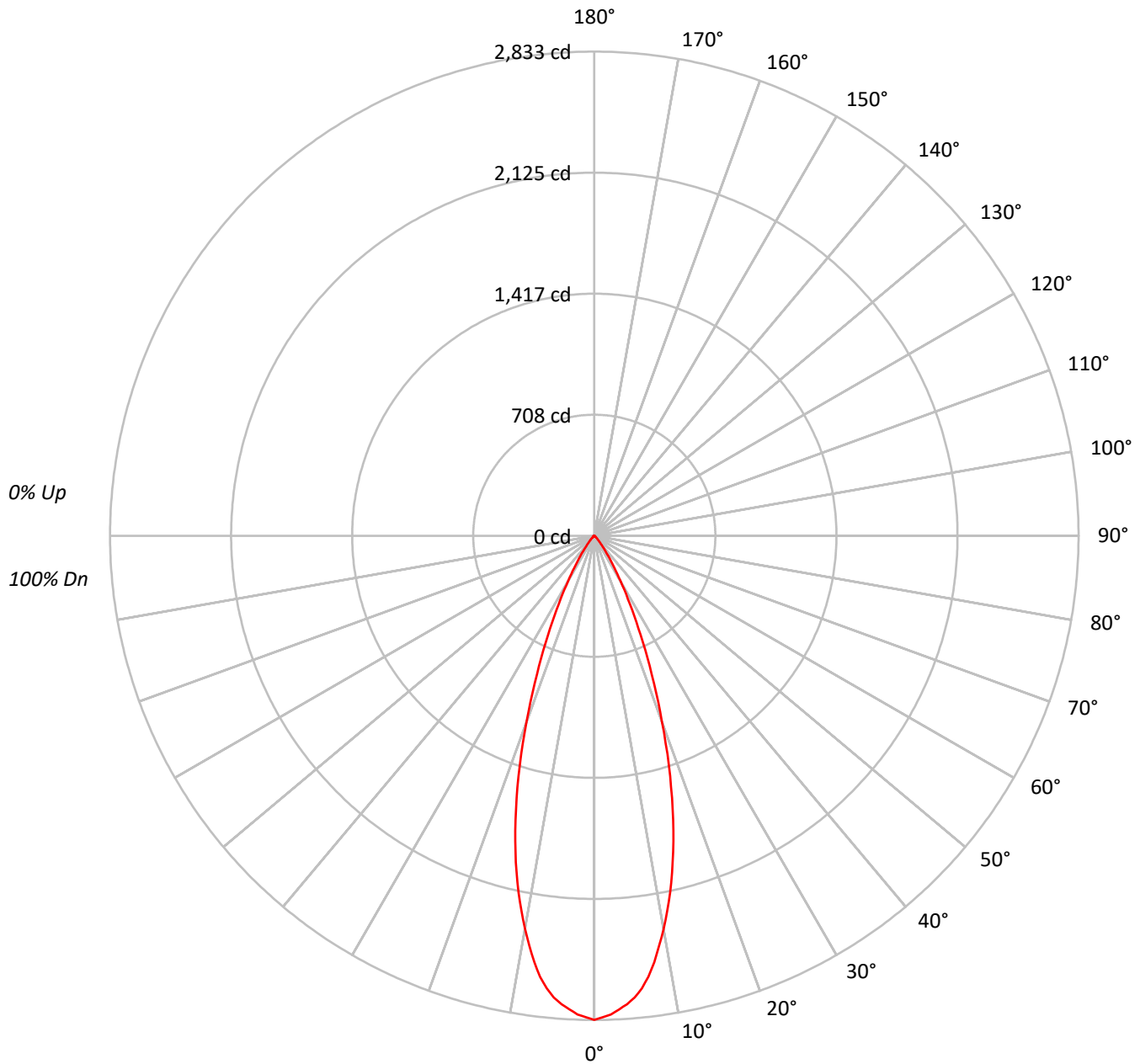
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224982

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1097312
5°	1054456
10°	917934
15°	716765
20°	476674
25°	272973
30°	135701
35°	62371
40°	25029
45°	11449
50°	5303
55°	2971
60°	1704
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.8	21.6
10°-20°	484.7	42.4
20°-30°	300.0	26.2
30°-40°	89.8	7.8
40°-50°	18.0	1.6
50°-60°	4.4	0.4
60°-70°	0.3	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°	1031.5	90.2
0°-40°	1121.2	98.0
0°-60°	1143.6	100.0
0°-90°	1143.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1143.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2833	
5°	2712	247
15°	1787	485
25°	639	300
35°	132	90
45°	21	18
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2832.9
1°	2817.5
2°	2803.2
3°	2774.6
4°	2748.2
5°	2711.9
6°	2662.5
7°	2599.8
8°	2519.6
9°	2428.3
10°	2333.8
11°	2235.9
12°	2131.5
13°	2022.7
14°	1906.2
15°	1787.4
17.5°	1474.1
20°	1156.4
22.5°	875.0
25°	638.7
27.5°	448.5
30°	303.4
32.5°	200.1
35°	131.9
37.5°	82.4
40°	49.5
42.5°	31.9
45°	20.9
47.5°	13.2
50°	8.8
52.5°	6.6
55°	4.4
57.5°	3.3
60°	2.2
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)