

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: P#

Luminaire Tested: **LD2B15D010 EU2B15WFL559050 2LBDL*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14809)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15WFL559050 2LBDL*B
Description: 1500 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1054.2 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

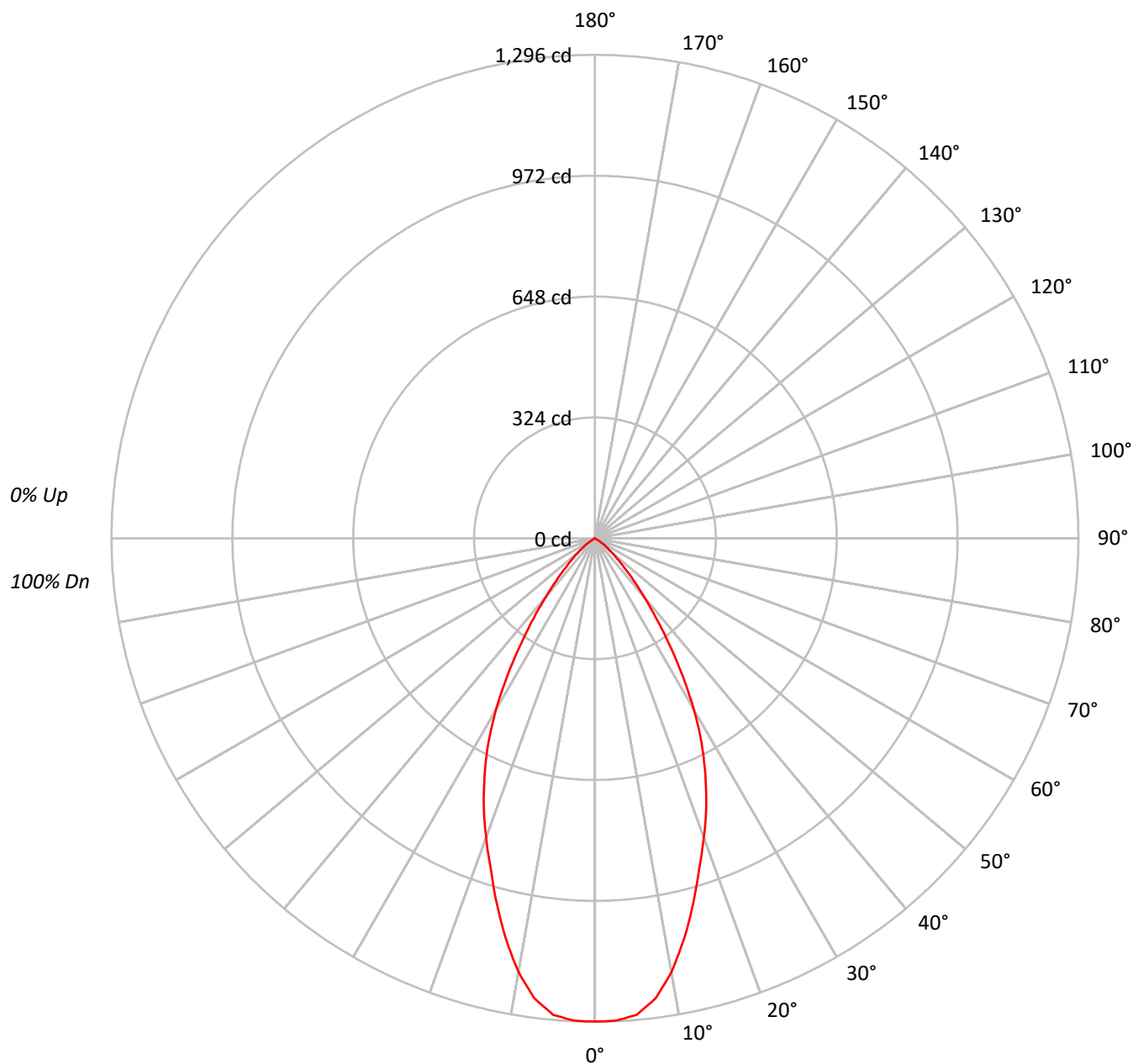
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					10
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	113	111	108	106		111	109	106	104		104	103	101			101	99	98			97
2	108	103	99	95		106	101	97	94		98	95	92			95	92	90			92
3	102	96	91	87		100	94	90	86		92	88	85			89	86	83			87
4	97	89	84	79		95	88	83	79		86	82	78			84	80	77			82
5	92	83	78	73		90	83	77	73		81	76	72			79	75	72			77
6	87	78	72	68		86	77	72	68		76	71	67			74	70	67			73
7	83	73	67	63		81	73	67	63		71	66	63			70	66	62			69
8	79	69	63	59		78	69	63	59		67	62	59			66	62	58			65
9	75	65	59	55		74	65	59	55		64	59	55			63	58	55			62
10	71	62	56	52		70	61	56	52		60	55	52			60	55	52			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	501845
5°	498630
10°	464395
15°	407266
20°	351776
25°	299215
30°	237321
35°	163799
40°	102848
45°	61352
50°	35554
55°	17896
60°	1162
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	11.3
10°-20°	283.1	26.9
20°-30°	318.6	30.2
30°-40°	218.9	20.8
40°-50°	90.9	8.6
50°-60°	23.4	2.2
60°-70°	0.2	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°	720.7	68.4
0°-40°	939.6	89.1
0°-60°	1054.0	100.0
0°-90°	1054.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1054.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1296	
5°	1282	119
15°	1016	283
25°	700	319
35°	346	219
45°	112	91
55°	26	23
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1295.6
2.5°	1294.2
5°	1282.4
7.5°	1244.0
10°	1180.7
12.5°	1101.1
15°	1015.6
17.5°	928.6
20°	853.4
22.5°	779.7
25°	700.1
27.5°	619.1
30°	530.6
32.5°	436.3
35°	346.4
37.5°	269.7
40°	203.4
42.5°	153.3
45°	112.0
47.5°	81.1
50°	59.0
52.5°	41.3
55°	26.5
57.5°	8.8
60°	1.5
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)