

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: P224580

Luminaire Tested: **LD2B15D010 EU2B15FL409024 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL409024 2LBDL*GPH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH GRAPHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 937.4 lumens
Efficiency: N/A
Efficacy: 65.6 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

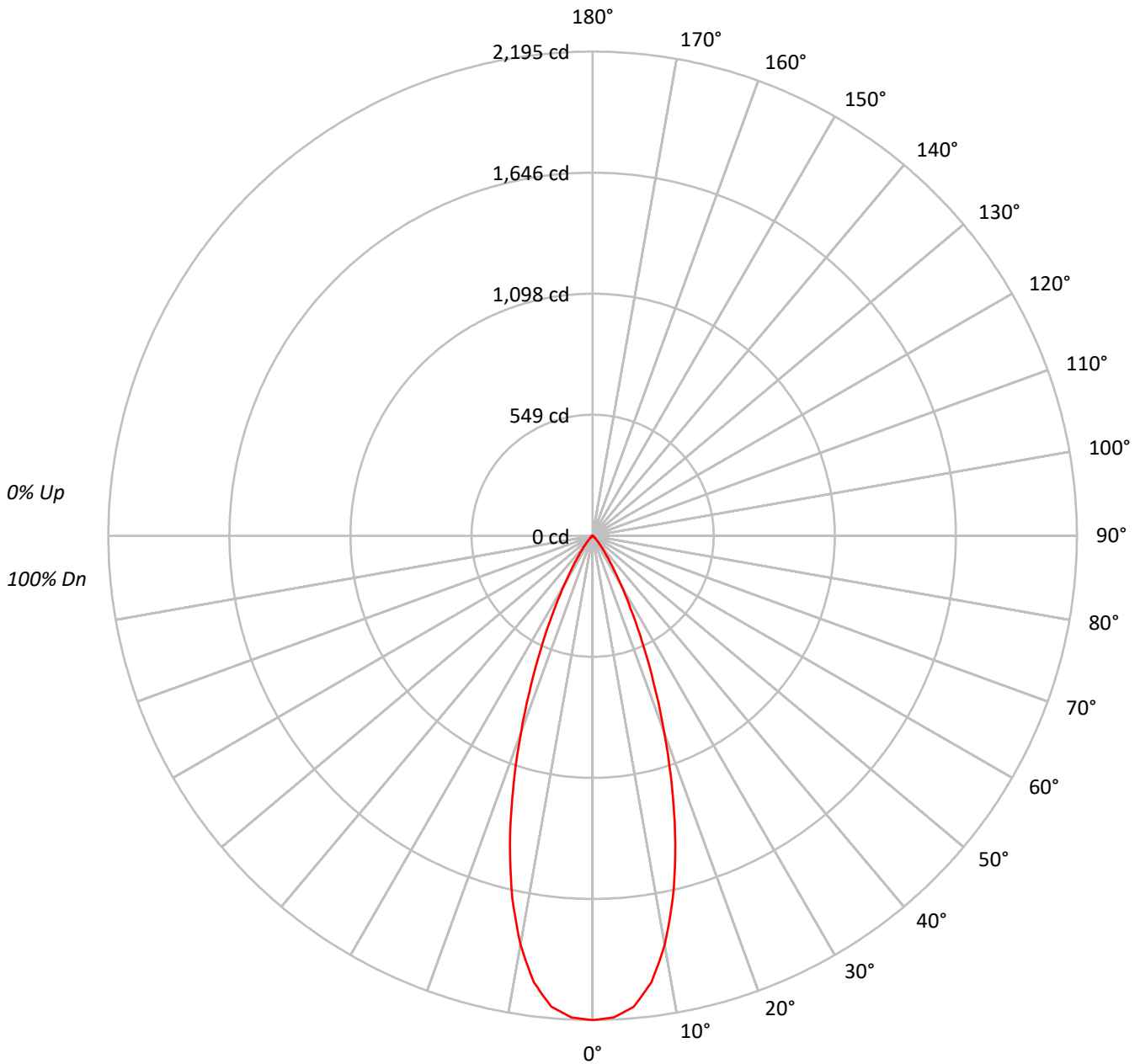
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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	100	108	104	101	98	101	99	96	98	96	94	95	94	92	91			91																
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87			87																
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83			83																
5	98	91	86	83	96	90	85	82	88	84	81	87	83	81	85	82	80	79			79																
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75			75																
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72			72																
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69			69																
9	84	76	72	68	83	76	71	68	75	71	68	74	70	68	73	70	68	66			66																
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64			64																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	850379
5°	833175
10°	740349
15°	580863
20°	390647
25°	227285
30°	113875
35°	53102
40°	24777
45°	10463
50°	5062
55°	3242
60°	1859
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.1	20.9
10°-20°	393.2	41.9
20°-30°	248.6	26.5
30°-40°	77.3	8.3
40°-50°	17.2	1.8
50°-60°	4.4	0.5
60°-70°	0.6	0.1
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°	837.9	89.4
0°-40°	915.3	97.6
0°-60°	936.8	99.9
0°-90°	937.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	937.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2195	
5°	2143	196
15°	1448	393
25°	532	249
35°	112	77
45°	19	17
55°	5	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2195.4
2.5°	2185.8
5°	2142.8
7.5°	2041.2
10°	1882.3
12.5°	1681.5
15°	1448.5
17.5°	1196.3
20°	947.7
22.5°	724.2
25°	531.8
27.5°	372.9
30°	254.6
32.5°	168.5
35°	112.3
37.5°	75.3
40°	49.0
42.5°	29.9
45°	19.1
47.5°	13.1
50°	8.4
52.5°	6.0
55°	4.8
57.5°	3.6
60°	2.4
62.5°	1.2
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)