

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: P224320

Luminaire Tested: **LD2B15D010 EU2B15FL409040 2LBDSQLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224320
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 EU2B15FL409040 2LBDSQLC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1041.6 lumens
Efficiency: N/A
Efficacy: 72.8 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

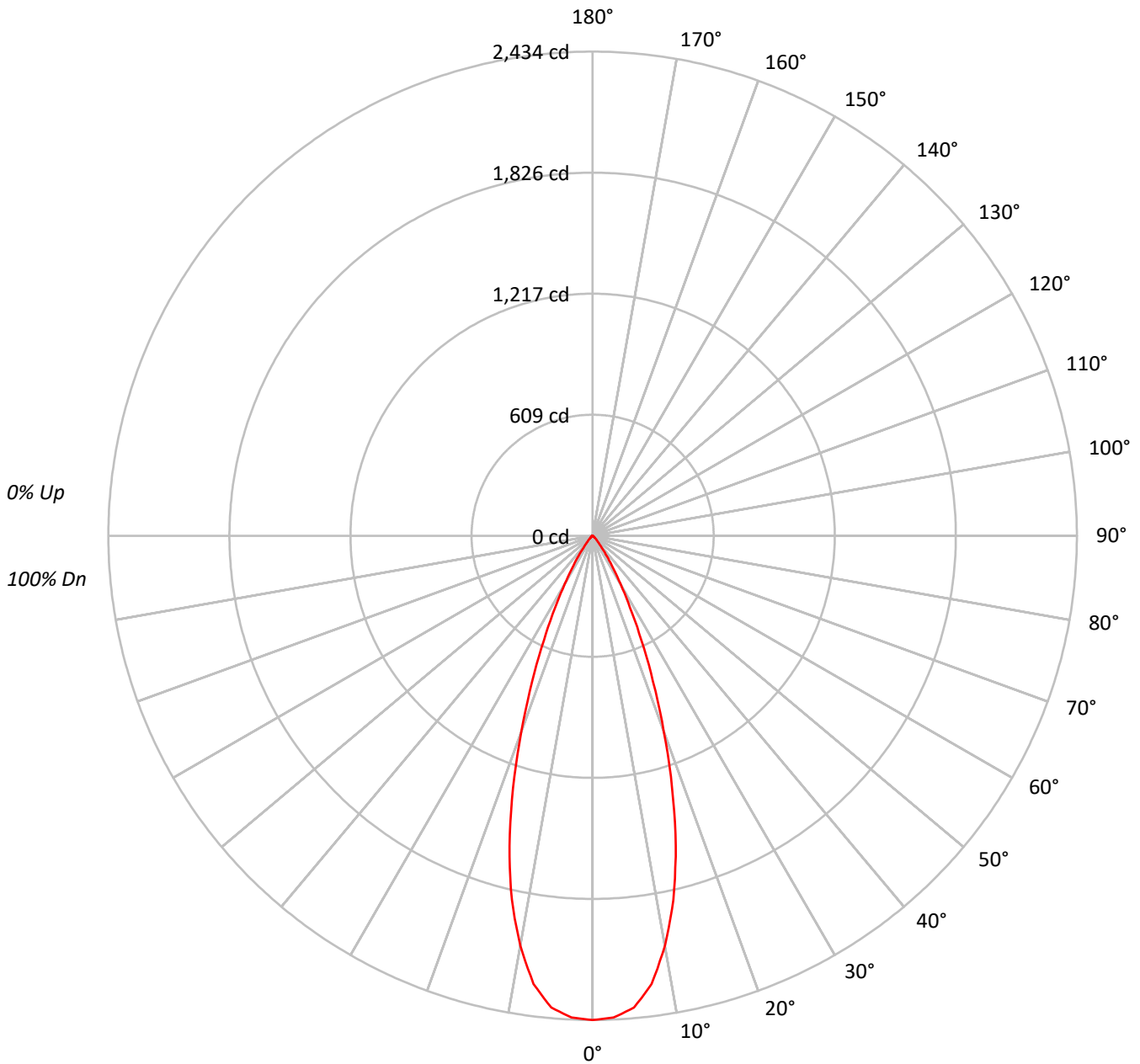
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	942955
5°	925794
10°	822986
15°	647270
20°	430713
25°	247245
30°	124922
35°	58777
40°	23664
45°	11723
50°	6448
55°	4525
60°	4106
65°	2475
70°	3058
75°	1946
80°	2900
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	20.9
10°-20°	437.2	42.0
20°-30°	272.0	26.1
30°-40°	83.6	8.0
40°-50°	18.4	1.8
50°-60°	6.5	0.6
60°-70°	3.3	0.3
70°-80°	1.9	0.2
80°-90°	0.5	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°	927.3	89.0
0°-40°	1010.9	97.1
0°-60°	1035.8	99.4
0°-90°	1041.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1041.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2434	
5°	2381	218
15°	1614	437
25°	578	272
35°	124	84
45°	21	18
55°	7	7
65°	3	3
75°	1	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2434.4
2.5°	2423.8
5°	2381.0
7.5°	2272.8
10°	2092.4
12.5°	1875.9
15°	1614.1
17.5°	1328.1
20°	1044.9
22.5°	792.3
25°	578.5
27.5°	407.5
30°	279.3
32.5°	188.4
35°	124.3
37.5°	74.8
40°	46.8
42.5°	32.1
45°	21.4
47.5°	14.7
50°	10.7
52.5°	9.4
55°	6.7
57.5°	5.3
60°	5.3
62.5°	4.0
65°	2.7
67.5°	2.7
70°	2.7
72.5°	2.7
75°	1.3
77.5°	1.3
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)