

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: P224315

Luminaire Tested: **LD2B15D010 EU2B15FL408050 2LBDSQLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224315
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 EU2B15FL408050 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: 1273.2 lumens
Efficiency: N/A
Efficacy: 89.0 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

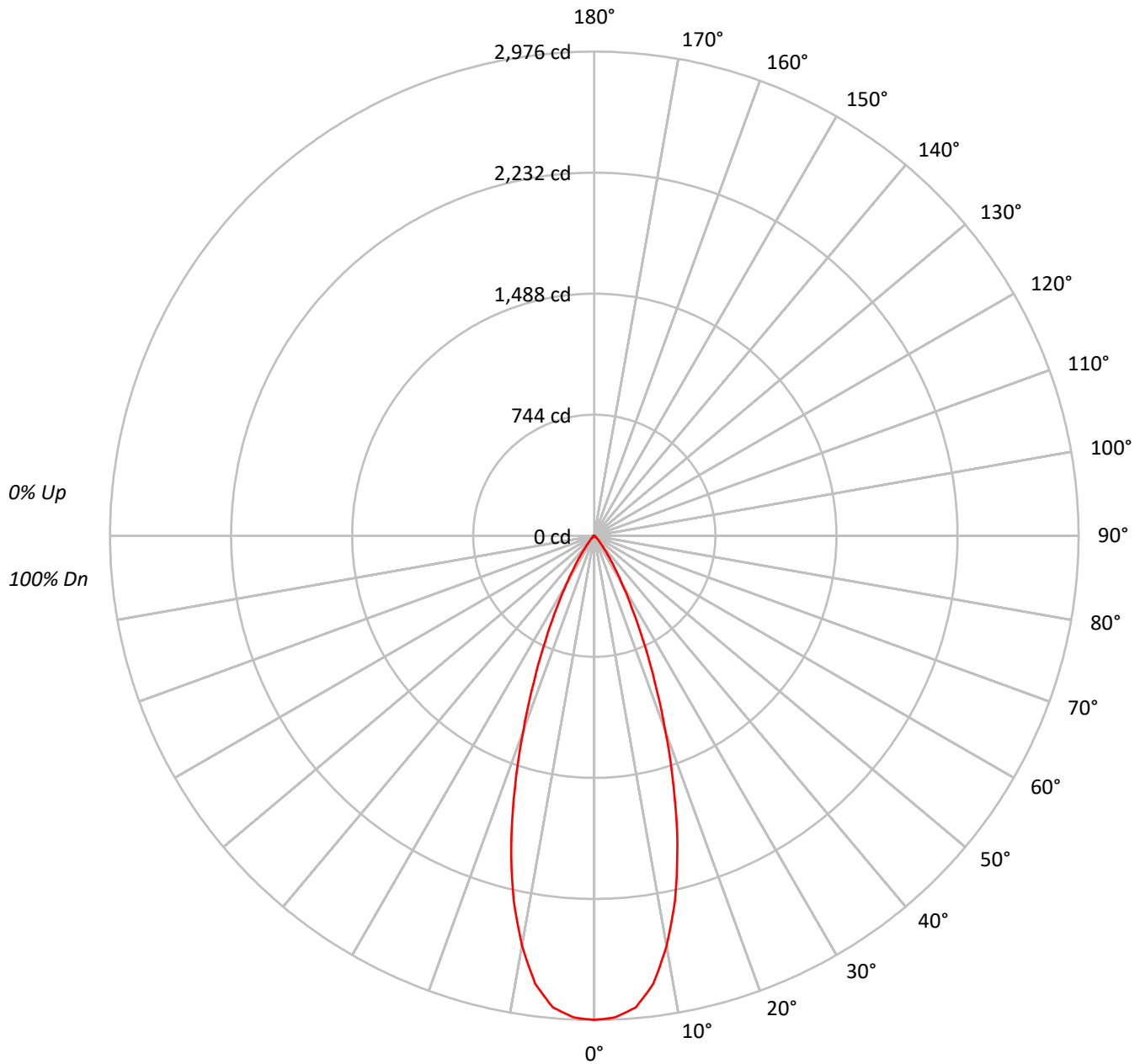
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1152625
5°	1131638
10°	1005959
15°	791153
20°	526468
25°	302250
30°	152653
35°	71828
40°	28923
45°	14297
50°	7894
55°	5538
60°	5035
65°	3025
70°	3737
75°	2395
80°	3569
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.5	20.9
10°-20°	534.4	42.0
20°-30°	332.5	26.1
30°-40°	102.2	8.0
40°-50°	22.5	1.8
50°-60°	8.0	0.6
60°-70°	4.0	0.3
70°-80°	2.4	0.2
80°-90°	0.7	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°	1133.4	89.0
0°-40°	1235.7	97.1
0°-60°	1266.1	99.4
0°-90°	1273.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1273.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2976	
5°	2910	267
15°	1973	534
25°	707	332
35°	152	102
45°	26	22
55°	8	8
65°	3	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2975.7
2.5°	2962.7
5°	2910.4
7.5°	2778.1
10°	2557.6
12.5°	2293.1
15°	1972.9
17.5°	1623.4
20°	1277.2
22.5°	968.5
25°	707.2
27.5°	498.1
30°	341.3
32.5°	230.3
35°	151.9
37.5°	91.5
40°	57.2
42.5°	39.2
45°	26.1
47.5°	18.0
50°	13.1
52.5°	11.4
55°	8.2
57.5°	6.5
60°	6.5
62.5°	4.9
65°	3.3
67.5°	3.3
70°	3.3
72.5°	3.3
75°	1.6
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)