

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: P224376

Luminaire Tested: **LD2B15D010 EU2B15FL408030 2LBDSQC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224376
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 EU2B15FL408030 2LBDSQC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1311.1 lumens
Efficiency: N/A
Efficacy: 91.7 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

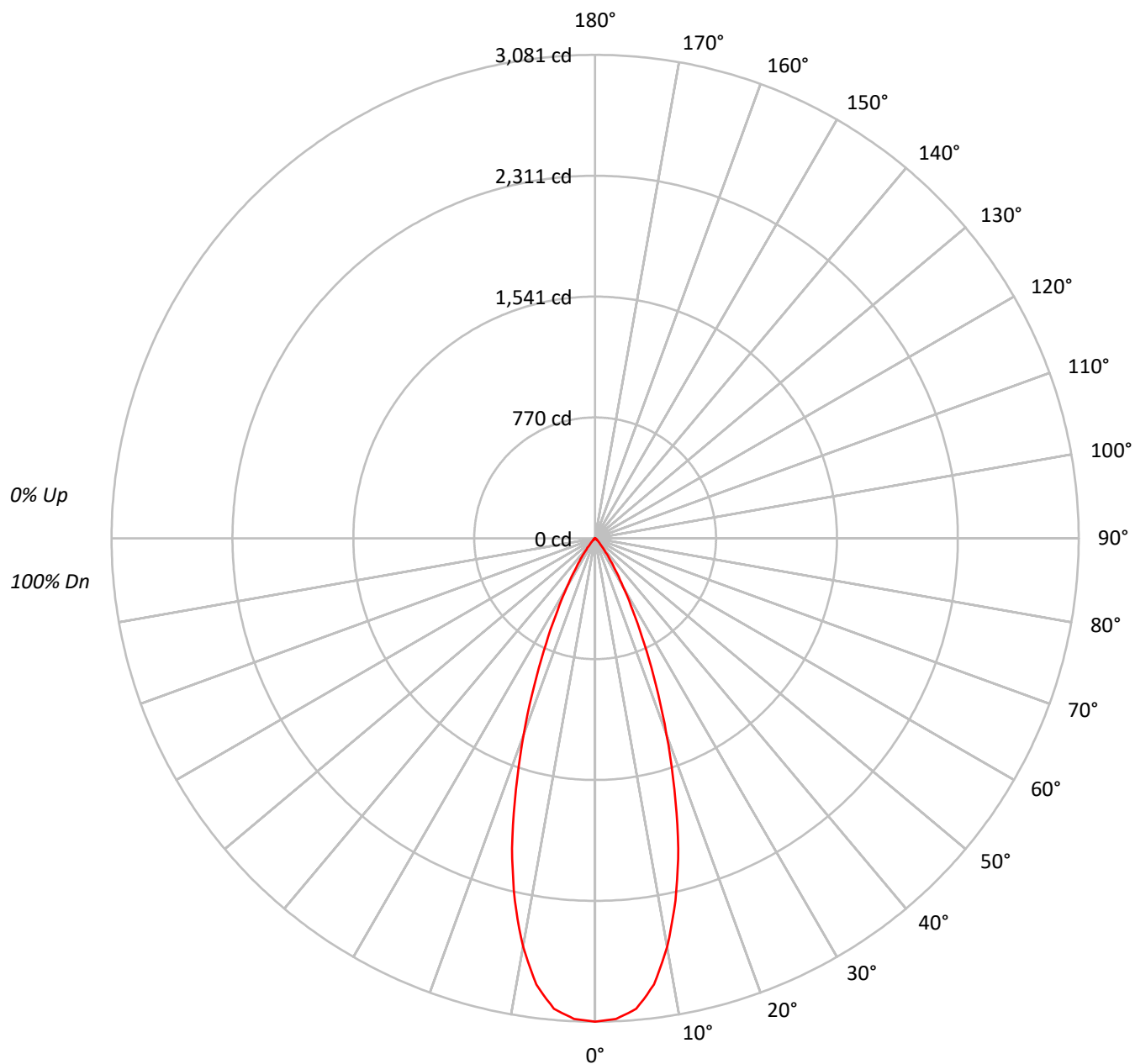
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					30					10					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	100		108	104	101	99		101	99	96			98	96	94			91
3	106	100	96	93		104	99	95	92		97	93	91			94	92	89			87
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			83
5	98	91	86	83		96	90	86	82		88	85	82			87	83	81			79
6	94	87	82	78		93	86	82	78		85	81	78			83	80	77			76
7	91	83	78	75		89	82	78	75		81	77	74			80	77	74			72
8	87	80	75	71		86	79	75	71		78	74	71			77	73	71			69
9	84	76	72	68		83	76	71	68		75	71	68			74	71	68			67
10	81	74	69	66		81	73	69	66		72	68	65			72	68	65			64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1193452
5°	1170521
10°	1039785
15°	820547
20°	547285
25°	314986
30°	159541
35°	74807
40°	30642
45°	13804
50°	7111
55°	4525
60°	2634
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.5	21.0
10°-20°	552.9	42.2
20°-30°	346.3	26.4
30°-40°	107.2	8.2
40°-50°	22.1	1.7
50°-60°	6.1	0.5
60°-70°	0.8	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°	1174.8	89.6
0°-40°	1282.0	97.8
0°-60°	1310.3	99.9
0°-90°	1311.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1311.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3081	
5°	3010	276
15°	2046	553
25°	737	346
35°	158	107
45°	25	22
55°	7	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3081.1
2.5°	3066.0
5°	3010.4
7.5°	2869.1
10°	2643.6
12.5°	2365.9
15°	2046.2
17.5°	1677.7
20°	1327.7
22.5°	1009.6
25°	737.0
27.5°	518.3
30°	356.7
32.5°	238.9
35°	158.2
37.5°	99.3
40°	60.6
42.5°	38.7
45°	25.2
47.5°	16.8
50°	11.8
52.5°	8.4
55°	6.7
57.5°	5.0
60°	3.4
62.5°	1.7
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)