

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: P224737

Luminaire Tested: **LD2B15D010 EU2B15FL409050 2LBD*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224737
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 EU2B15FL409050 2LBD*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1206.8 lumens
Efficiency: N/A
Efficacy: 84.4 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

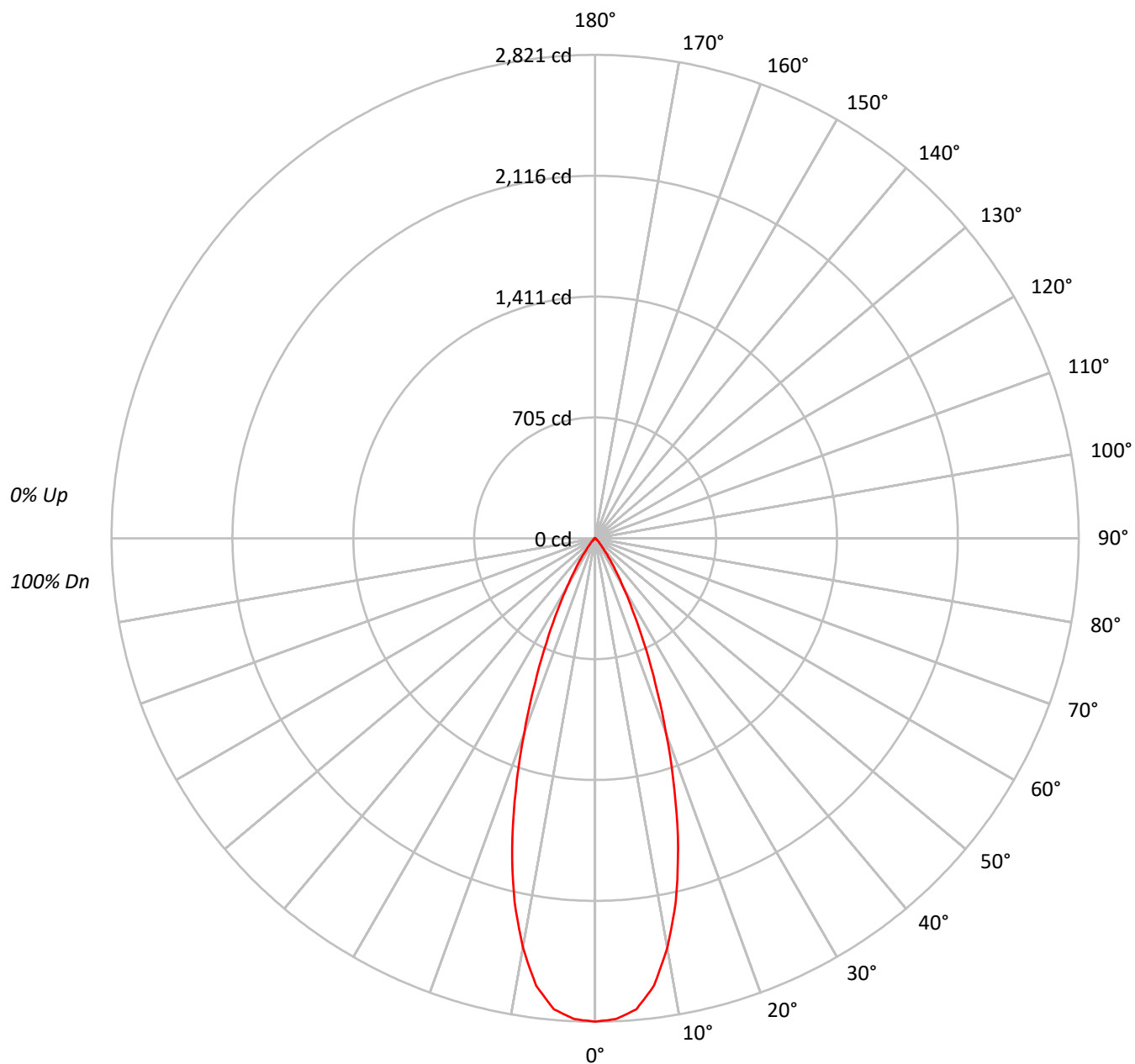
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1092548
5°	1072614
10°	953490
15°	749889
20°	499015
25°	286479
30°	144691
35°	68092
40°	27406
45°	13585
50°	7472
55°	5200
60°	4803
65°	2841
70°	3511
75°	2245
80°	3346
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.6	20.9
10°-20°	506.6	42.0
20°-30°	315.1	26.1
30°-40°	96.9	8.0
40°-50°	21.3	1.8
50°-60°	7.6	0.6
60°-70°	3.8	0.3
70°-80°	2.2	0.2
80°-90°	0.6	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°	1074.3	89.0
0°-40°	1171.2	97.1
0°-60°	1200.1	99.4
0°-90°	1206.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1206.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2821	
5°	2759	253
15°	1870	507
25°	670	315
35°	144	97
45°	25	21
55°	8	8
65°	3	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2820.6
2.5°	2808.2
5°	2758.6
7.5°	2633.2
10°	2424.2
12.5°	2173.5
15°	1870.0
17.5°	1538.8
20°	1210.6
22.5°	918.0
25°	670.3
27.5°	472.2
30°	323.5
32.5°	218.3
35°	144.0
37.5°	86.7
40°	54.2
42.5°	37.2
45°	24.8
47.5°	17.0
50°	12.4
52.5°	10.8
55°	7.7
57.5°	6.2
60°	6.2
62.5°	4.6
65°	3.1
67.5°	3.1
70°	3.1
72.5°	3.1
75°	1.5
77.5°	1.5
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)