

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: P224941

Luminaire Tested: **LD2B10D010 EU2B10FL408030 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL408030 2LBD*H
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1022.0 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

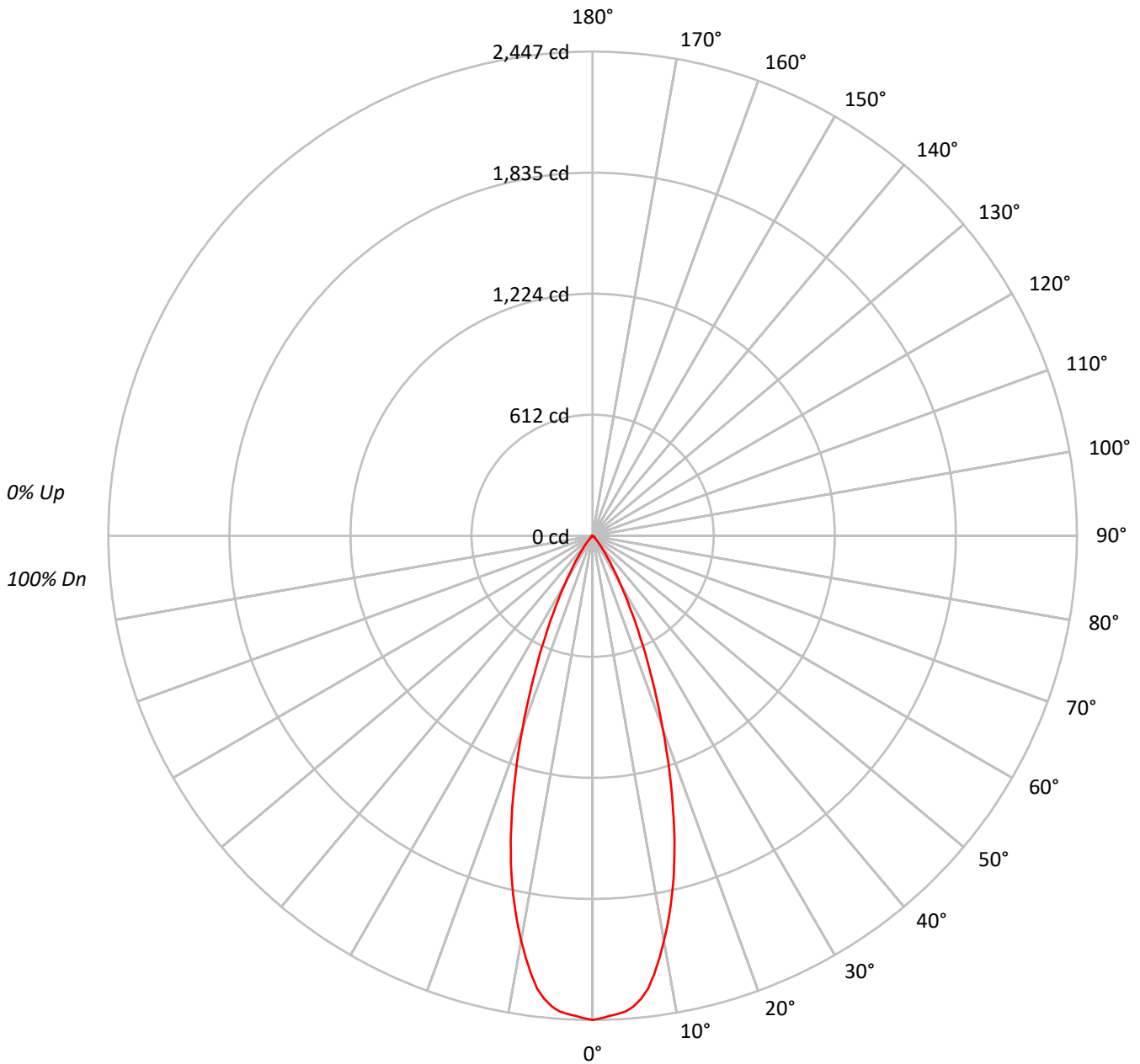
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	947952
5°	928088
10°	817401
15°	641295
20°	425849
25°	244467
30°	122596
35°	56602
40°	23007
45°	10298
50°	5363
55°	3309
60°	1549
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.0	21.3
10°-20°	432.8	42.4
20°-30°	269.0	26.3
30°-40°	81.1	7.9
40°-50°	16.6	1.6
50°-60°	4.3	0.4
60°-70°	0.2	0.0
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°	919.8	90.0
0°-40°	1000.9	97.9
0°-60°	1021.8	100.0
0°-90°	1022.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1022.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2447	
5°	2387	218
15°	1599	433
25°	572	269
35°	120	81
45°	19	17
55°	5	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2447.3
1°	2439.4
2°	2428.5
3°	2420.6
4°	2408.7
5°	2386.9
6°	2352.3
7°	2304.8
8°	2236.5
9°	2159.3
10°	2078.2
11°	1992.1
12°	1902.0
13°	1808.0
14°	1705.1
15°	1599.2
17.5°	1315.2
20°	1033.1
22.5°	783.8
25°	572.0
27.5°	403.8
30°	274.1
32.5°	180.1
35°	119.7
37.5°	74.2
40°	45.5
42.5°	29.7
45°	18.8
47.5°	11.9
50°	8.9
52.5°	5.9
55°	4.9
57.5°	3.0
60°	2.0
62.5°	0.0
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)