

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: P224918

Luminaire Tested: **LD2B10D010 EU2B10FL409730 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224918
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 EU2B10FL409730 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: 756.5 lumens
Efficiency: N/A
Efficacy: 73.4 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

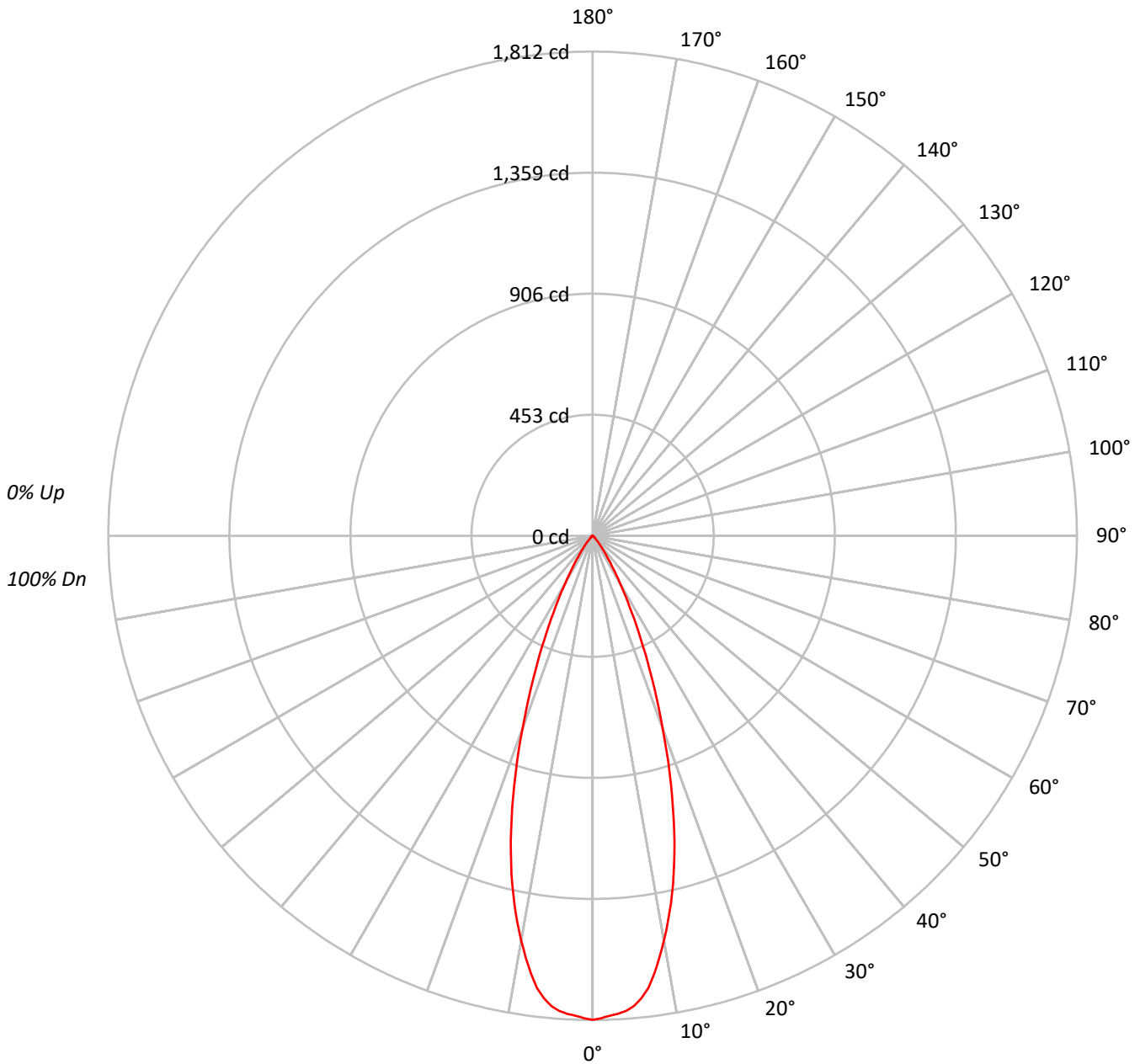
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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°	701677
5°	686977
10°	605046
15°	474676
20°	315213
25°	180957
30°	90751
35°	41896
40°	17040
45°	7614
50°	3977
55°	2499
60°	1162
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	21.3
10°-20°	320.4	42.4
20°-30°	199.1	26.3
30°-40°	60.0	7.9
40°-50°	12.3	1.6
50°-60°	3.2	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°	680.8	90.0
0°-40°	740.9	97.9
0°-60°	756.3	100.0
0°-90°	756.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1812	
5°	1767	161
15°	1184	320
25°	423	199
35°	89	60
45°	14	12
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1811.5
1°	1805.7
2°	1797.6
3°	1791.7
4°	1782.9
5°	1766.8
6°	1741.2
7°	1706.0
8°	1655.5
9°	1598.4
10°	1538.3
11°	1474.6
12°	1407.9
13°	1338.3
14°	1262.1
15°	1183.7
17.5°	973.5
20°	764.7
22.5°	580.2
25°	423.4
27.5°	298.9
30°	202.9
32.5°	133.3
35°	88.6
37.5°	54.9
40°	33.7
42.5°	22.0
45°	13.9
47.5°	8.8
50°	6.6
52.5°	4.4
55°	3.7
57.5°	2.2
60°	1.5
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)