

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: P224917

Luminaire Tested: **LD2B10D010 EU2B10FL409727 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224917
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 EU2B10FL409727 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: 711.1 lumens
Efficiency: N/A
Efficacy: 69.0 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

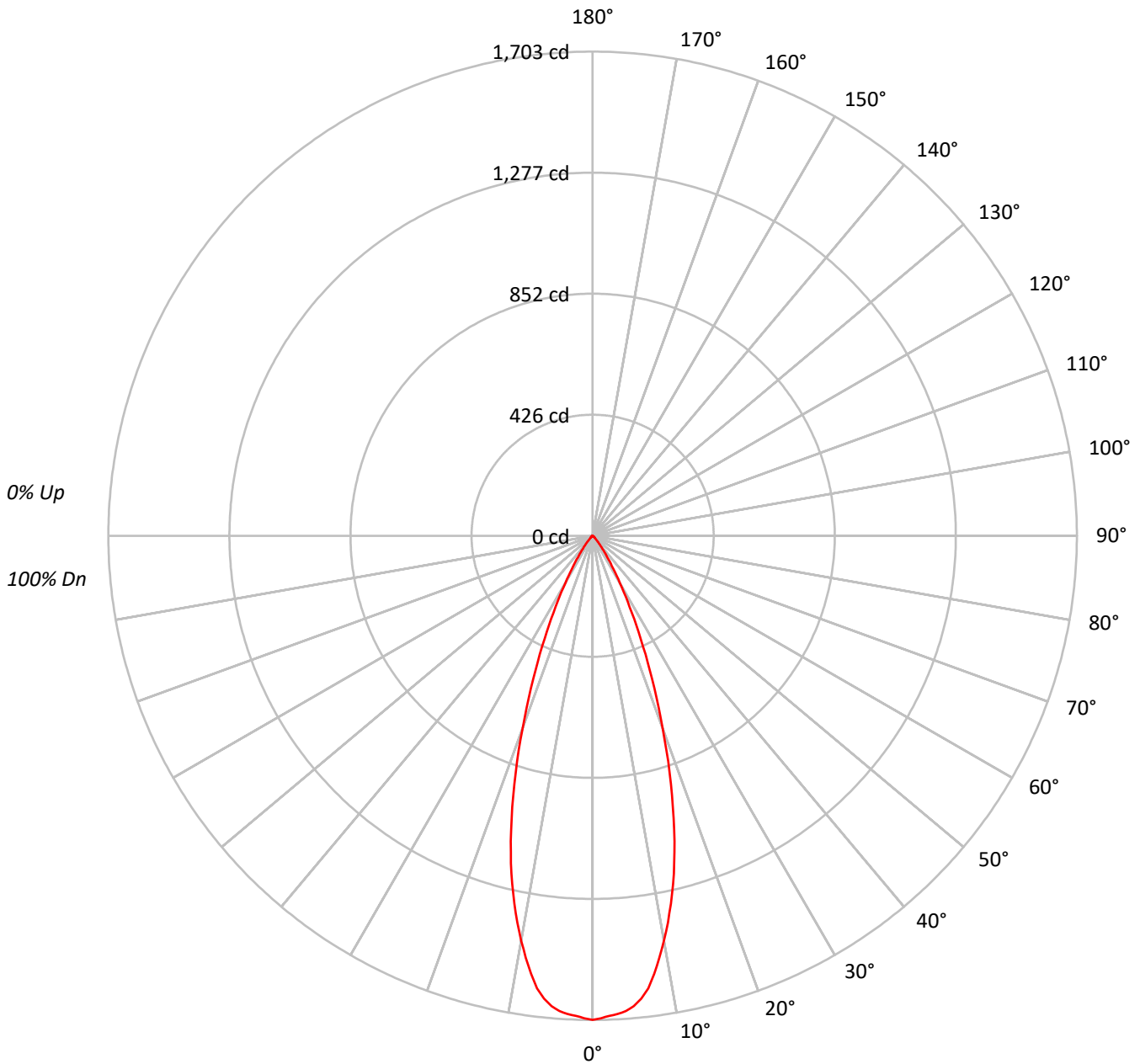
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	659573
5°	645762
10°	568743
15°	446204
20°	296334
25°	170101
30°	85294
35°	39389
40°	16029
45°	7176
50°	3736
55°	2296
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	21.3
10°-20°	301.2	42.4
20°-30°	187.1	26.3
30°-40°	56.4	7.9
40°-50°	11.6	1.6
50°-60°	3.0	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°	640.0	90.0
0°-40°	696.4	97.9
0°-60°	710.9	100.0
0°-90°	711.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1703	
5°	1661	152
15°	1113	301
25°	398	187
35°	83	56
45°	13	12
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1702.8
1°	1697.3
2°	1689.7
3°	1684.2
4°	1675.9
5°	1660.8
6°	1636.7
7°	1603.6
8°	1556.1
9°	1502.4
10°	1446.0
11°	1386.1
12°	1323.4
13°	1258.0
14°	1186.4
15°	1112.7
17.5°	915.1
20°	718.9
22.5°	545.3
25°	398.0
27.5°	280.9
30°	190.7
32.5°	125.3
35°	83.3
37.5°	51.6
40°	31.7
42.5°	20.7
45°	13.1
47.5°	8.3
50°	6.2
52.5°	4.1
55°	3.4
57.5°	2.1
60°	1.4
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)