

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: P225487

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10FL409730 2LBDL*H
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 709.8 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

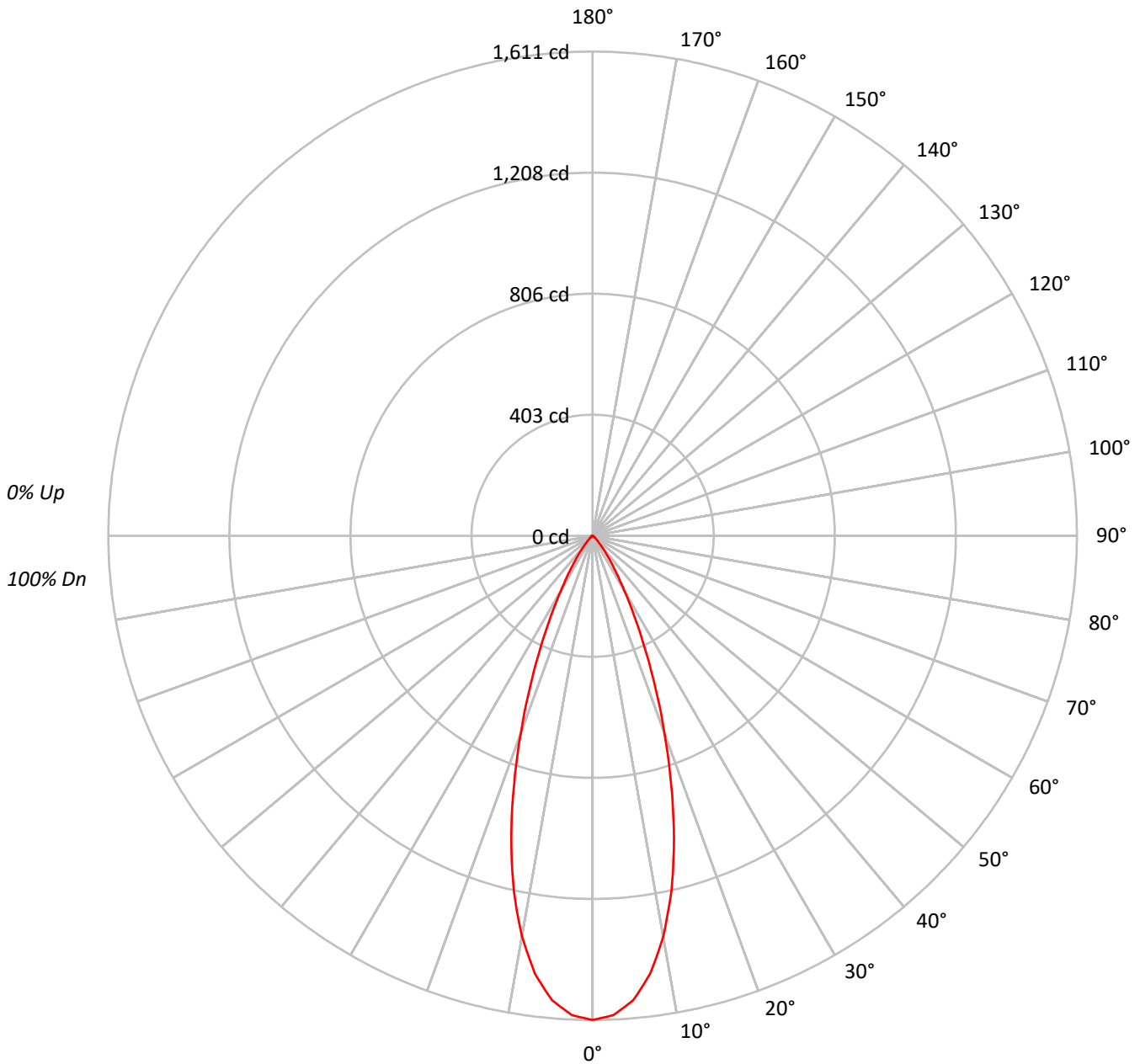
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90			90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86			86
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82			82
5	97	90	85	81	96	89	84	81	87	83	80	86	82	80	84	81	79	78			78
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74			74
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71			71
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68			68
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	69	66	65			65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	63	62			62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	623937
5°	603185
10°	532203
15°	419296
20°	288131
25°	173990
30°	94329
35°	48468
40°	23715
45°	11230
50°	5906
55°	3984
60°	2247
65°	917
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	20.0
10°-20°	284.6	40.1
20°-30°	190.2	26.8
30°-40°	68.9	9.7
40°-50°	17.8	2.5
50°-60°	5.3	0.7
60°-70°	1.3	0.2
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°	616.5	86.9
0°-40°	685.4	96.6
0°-60°	708.5	99.8
0°-90°	709.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1611	
5°	1551	142
15°	1046	285
25°	407	190
35°	102	69
45°	20	18
55°	6	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1610.8
2.5°	1596.2
5°	1551.3
7.5°	1469.3
10°	1353.1
12.5°	1210.6
15°	1045.6
17.5°	869.8
20°	699.0
22.5°	541.8
25°	407.1
27.5°	296.8
30°	210.9
32.5°	148.4
35°	102.5
37.5°	71.3
40°	46.9
42.5°	30.3
45°	20.5
47.5°	14.6
50°	9.8
52.5°	7.8
55°	5.9
57.5°	3.9
60°	2.9
62.5°	2.0
65°	1.0
67.5°	1.0
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)