

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: P224310

Luminaire Tested: **LD2B10D010 EU2B10FL409050 2LBDSQLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224310
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: LD2B10D010 EU2B10FL409050 2LBDSQLC*MW
Description: 1000 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 795.1 lumens
Efficiency: N/A
Efficacy: 77.2 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

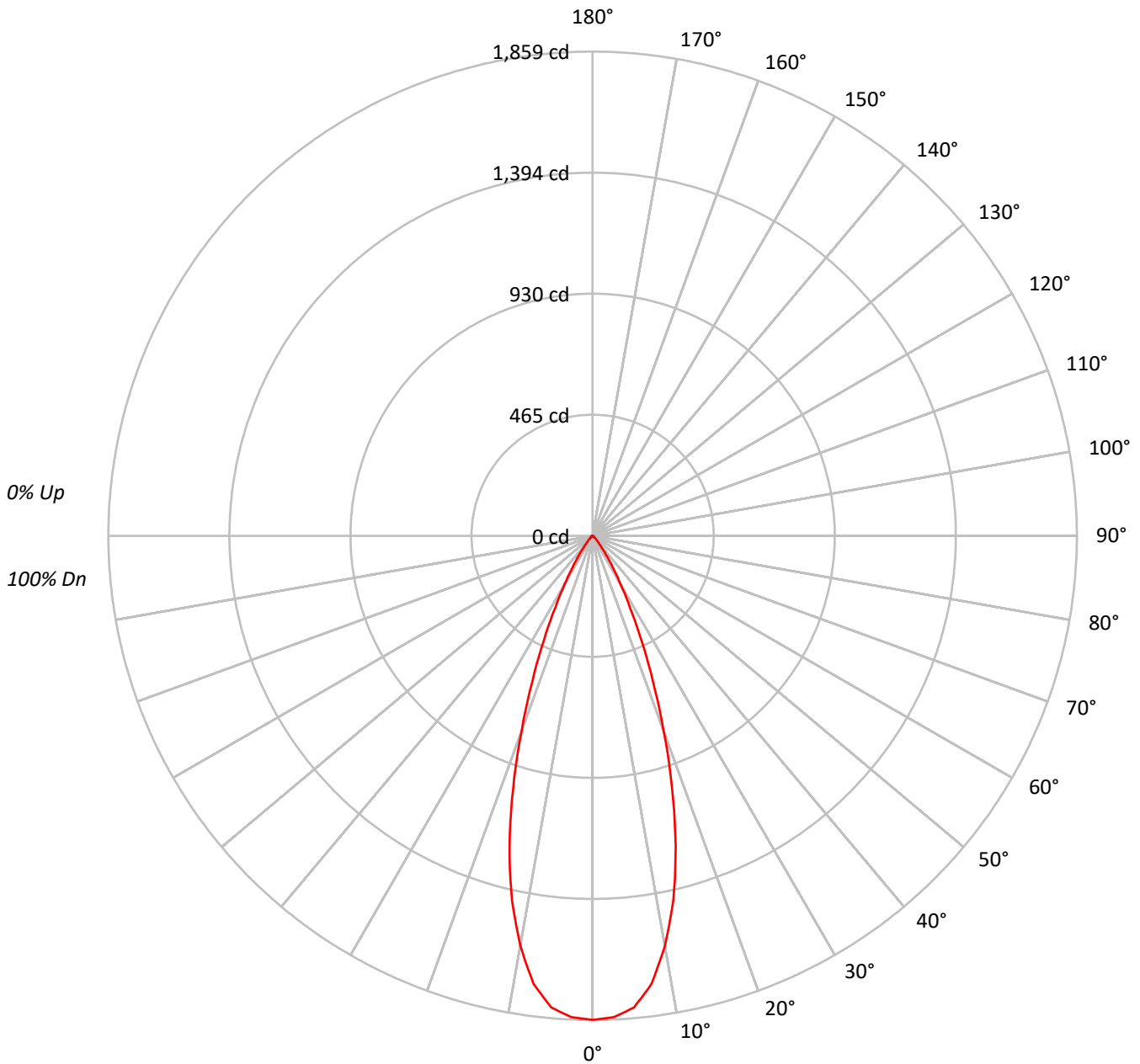
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	719921
5°	706807
10°	628292
15°	494125
20°	328816
25°	188778
30°	95358
35°	44875
40°	18052
45°	8929
50°	4941
55°	3444
60°	3176
65°	1833
70°	2265
75°	1497
80°	2231
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.5	20.9
10°-20°	333.8	42.0
20°-30°	207.7	26.1
30°-40°	63.8	8.0
40°-50°	14.0	1.8
50°-60°	5.0	0.6
60°-70°	2.5	0.3
70°-80°	1.4	0.2
80°-90°	0.4	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°	707.9	89.0
0°-40°	771.8	97.1
0°-60°	790.8	99.5
0°-90°	795.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	795.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1859	
5°	1818	166
15°	1232	334
25°	442	208
35°	95	64
45°	16	14
55°	5	5
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1858.6
2.5°	1850.4
5°	1817.8
7.5°	1735.1
10°	1597.4
12.5°	1432.2
15°	1232.2
17.5°	1013.9
20°	797.7
22.5°	604.9
25°	441.7
27.5°	311.1
30°	213.2
32.5°	143.8
35°	94.9
37.5°	57.1
40°	35.7
42.5°	24.5
45°	16.3
47.5°	11.2
50°	8.2
52.5°	7.1
55°	5.1
57.5°	4.1
60°	4.1
62.5°	3.1
65°	2.0
67.5°	2.0
70°	2.0
72.5°	2.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)