

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: P223775

Luminaire Tested: **LD2B10D010 EU2B10SP159035 2LBDSQC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (150)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10SP159035 2LBDSQC*MMS
Description: 1000 Lumen, 2inch Portfolio LED Downlight
SPOT OPTIC
SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 432.3 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.23
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

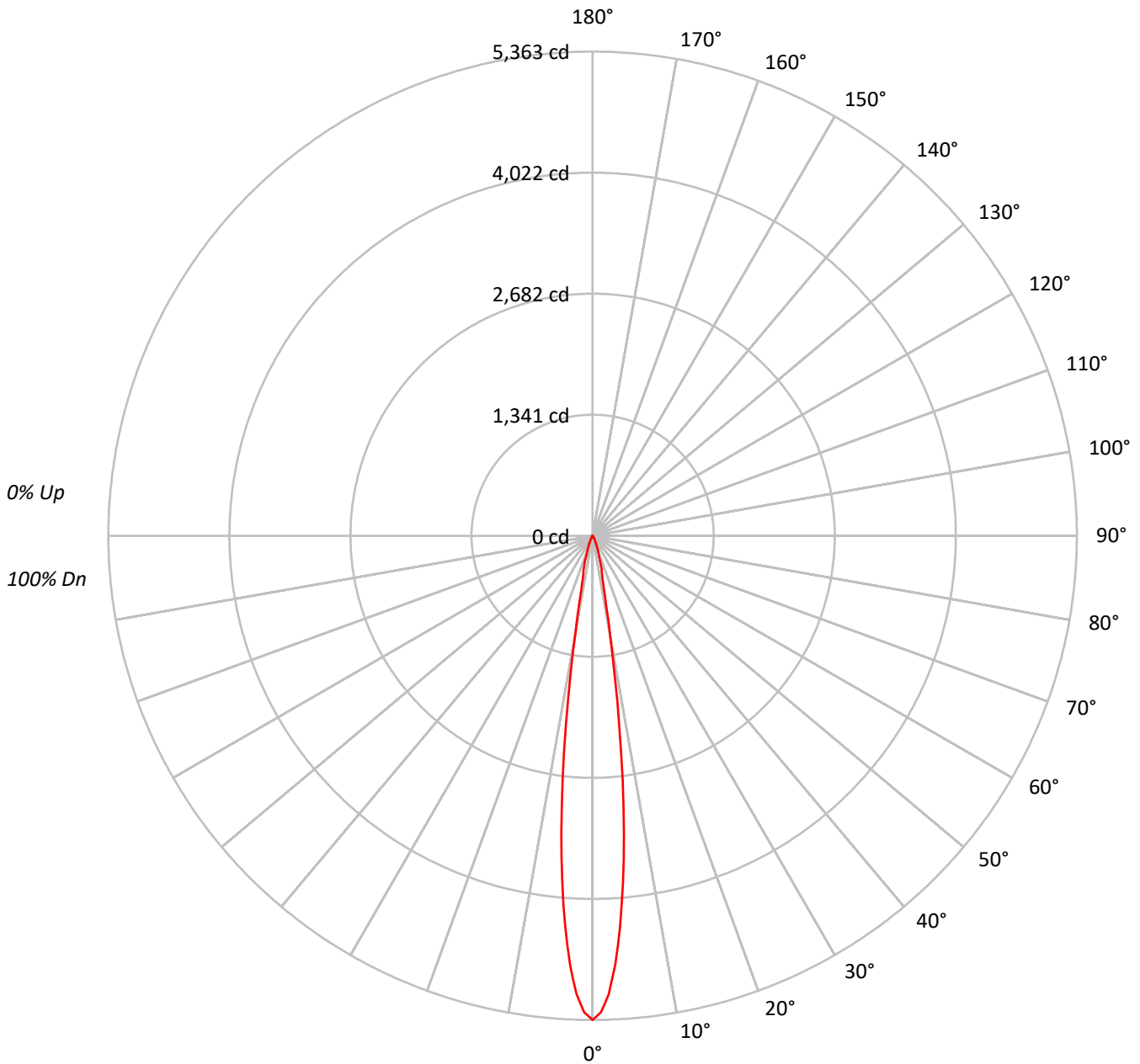
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98				98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96				96
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	96	94				94
4	108	103	100	97	106	102	99	97	100	98	96	98	96	95	97	95	94	93				93
5	105	101	97	95	104	100	97	94	98	96	94	97	95	93	95	94	92	91				91
6	103	98	95	93	102	98	95	92	96	94	92	95	93	91	94	92	91	90				90
7	101	96	93	91	100	96	93	90	95	92	90	94	91	90	93	91	89	88				88
8	100	94	91	89	99	94	91	89	93	90	89	92	90	88	92	89	88	87				87
9	98	93	90	88	97	92	89	87	92	89	87	91	89	87	90	88	87	86				86
10	96	91	88	86	96	91	88	86	90	88	86	90	87	86	89	87	86	85				85

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2077298
5°	1501683
10°	437177
15°	153386
20°	65664
25°	29533
30°	11450
35°	5674
40°	3792
45°	2465
50°	1386
55°	1013
60°	620
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.3	63.2
10°-20°	111.2	25.7
20°-30°	34.1	7.9
30°-40°	8.4	1.9
40°-50°	3.5	0.8
50°-60°	1.5	0.4
60°-70°	0.3	0.1
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°	418.6	96.8
0°-40°	427.0	98.8
0°-60°	432.0	99.9
0°-90°	432.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5363	
5°	3862	273
15°	382	111
25°	69	34
35°	12	8
45°	4	4
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5362.9
1°	5281.0
2°	5081.1
3°	4762.4
4°	4346.1
5°	3862.1
6°	3316.5
7°	2724.3
8°	2123.8
9°	1562.4
10°	1111.5
11°	796.6
12°	599.0
13°	487.7
14°	426.9
15°	382.5
17.5°	236.0
20°	159.3
22.5°	106.7
25°	69.1
27.5°	42.1
30°	25.6
32.5°	16.5
35°	12.0
37.5°	9.8
40°	7.5
42.5°	6.0
45°	4.5
47.5°	3.0
50°	2.3
52.5°	2.3
55°	1.5
57.5°	1.5
60°	0.8
62.5°	0.8
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)