

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: P264456

Luminaire Tested: **LD2B10D010 EU2B1010SP159050 2LBSQC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B1010SP159050 2LBSQC*MW
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 767.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

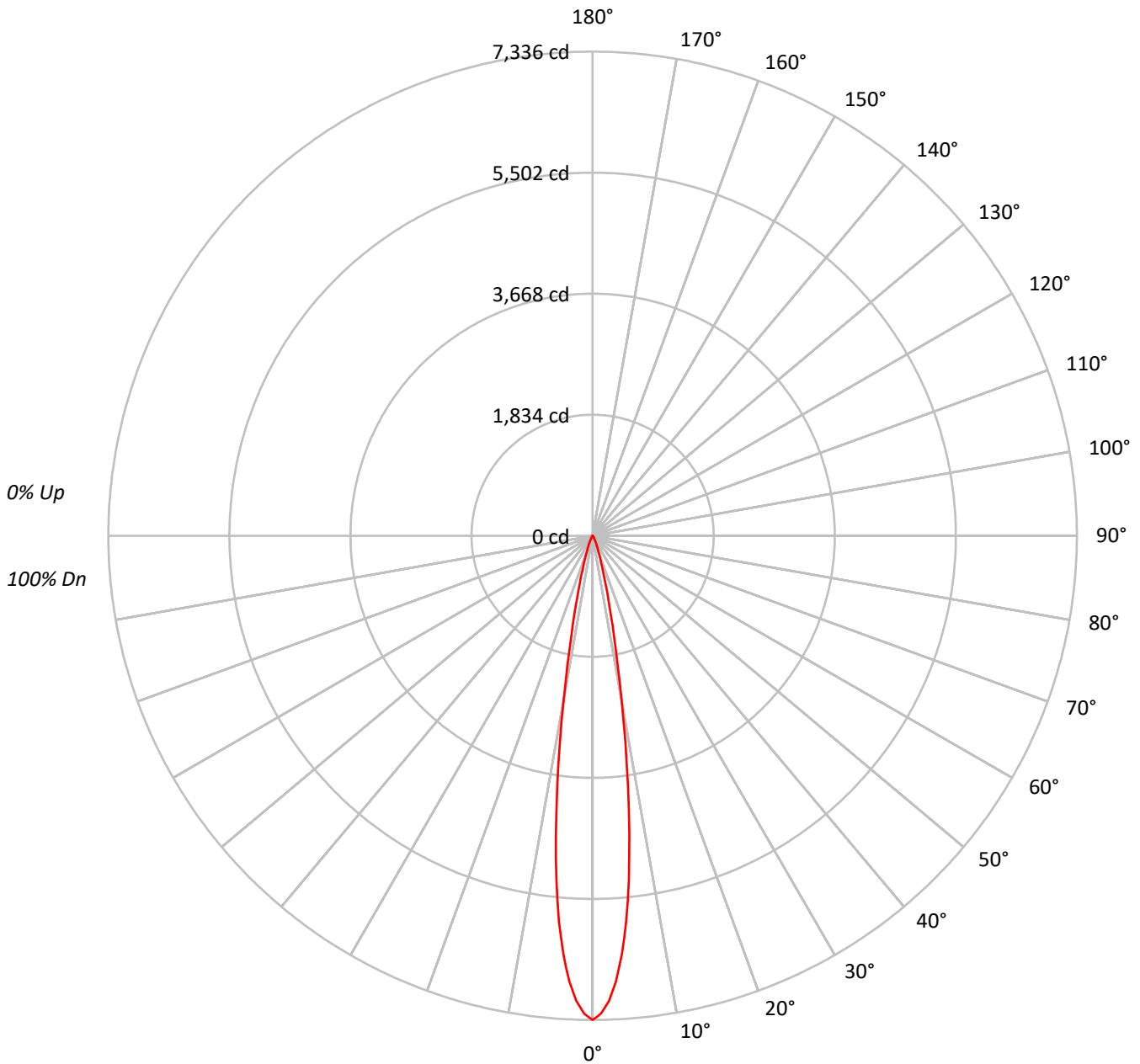
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	98	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	96	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	94	94	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	90	90	90
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	89	89	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	87	87	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	86	86	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3619154
5°	2900955
10°	1266158
15°	392370
20°	136769
25°	60424
30°	27345
35°	14214
40°	8115
45°	3837
50°	2379
55°	1376
60°	789
65°	934
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.8	58.0
10°-20°	243.6	31.8
20°-30°	55.5	7.2
30°-40°	16.0	2.1
40°-50°	4.9	0.6
50°-60°	1.5	0.2
60°-70°	0.7	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°	743.9	97.0
0°-40°	759.9	99.1
0°-60°	766.3	99.9
0°-90°	767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	767.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7336	
5°	5858	445
15°	768	244
25°	111	56
35°	24	16
45°	6	5
55°	2	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7335.7
1°	7244.4
2°	7054.7
3°	6760.4
4°	6355.8
5°	5857.6
6°	5246.8
7°	4564.4
8°	3852.1
9°	3162.6
10°	2527.4
11°	1989.8
12°	1566.3
13°	1232.6
14°	973.6
15°	768.2
16°	606.1
17°	482.5
18°	388.0
19°	315.6
20°	260.5
22.5°	168.4
25°	111.0
26°	93.7
27°	79.5
28°	66.9
29°	55.9
30°	48.0
32.5°	33.1
35°	23.6
37.5°	17.3
40°	12.6
42.5°	8.7
45°	5.5
47.5°	3.9
50°	3.1
52.5°	2.4
55°	1.6
57.5°	0.8
60°	0.8
62.5°	0.8
65°	0.8
67.5°	0.8



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CANDELA DISTRIBUTION (continued):

	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°







70°		0.0
72.5°		0.0



(END OF REPORT)