

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: P264142

Luminaire Tested: **LD2B10D010 EU2B1010SP158050 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264142
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 EU2B1010SP158050 2LBDC*MMS
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 962.0 lumens
Efficiency: N/A
Efficacy: 93.4 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

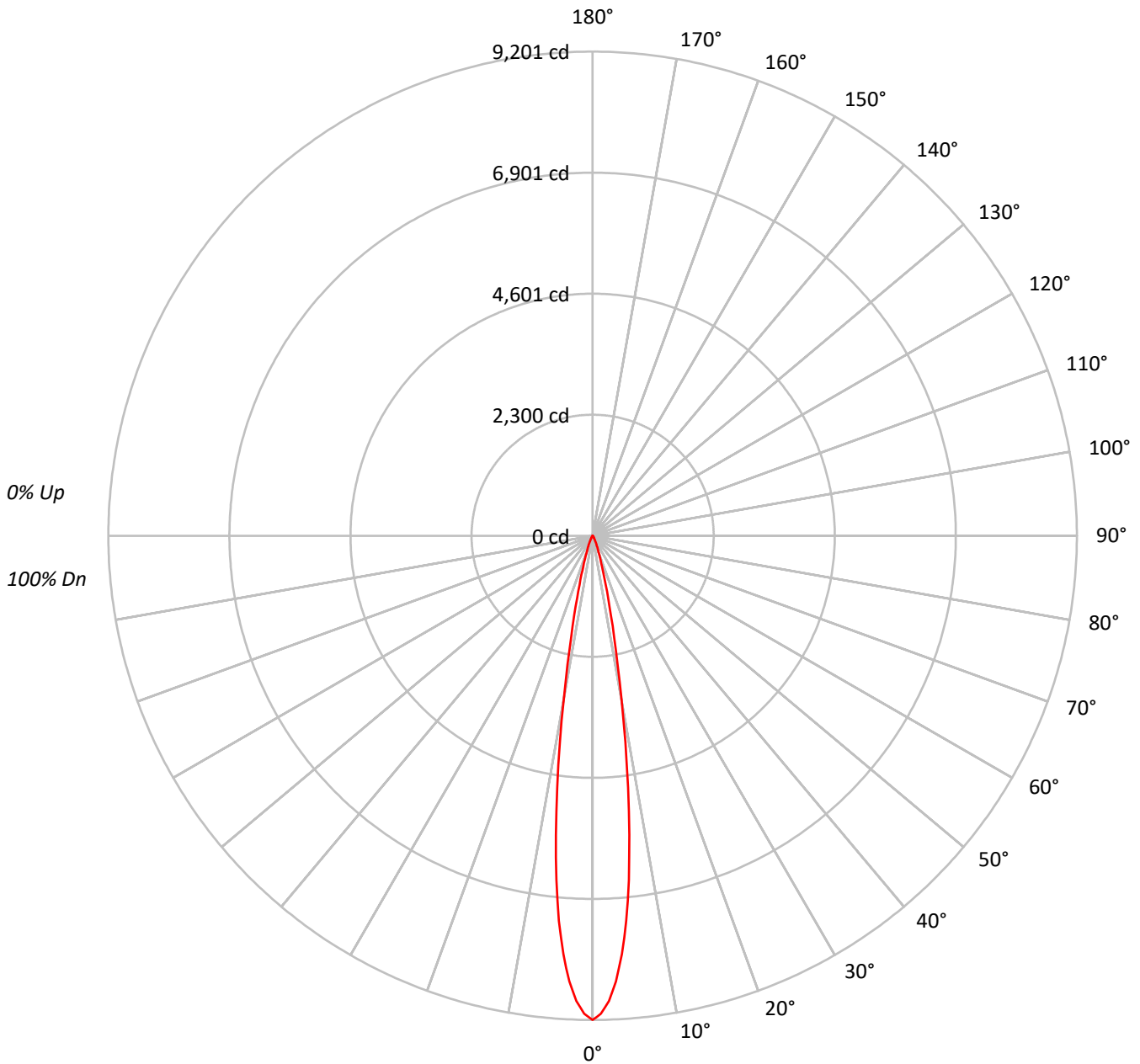
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98																			
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96																			
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94																			
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92																			
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90																			
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89																			
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87																			
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86																			
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85																			
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4539323
5°	3638476
10°	1588033
15°	492123
20°	171578
25°	75776
30°	34295
35°	17828
40°	10176
45°	4814
50°	2993
55°	1720
60°	987
65°	1167
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.9	58.0
10°-20°	305.5	31.8
20°-30°	69.6	7.2
30°-40°	20.0	2.1
40°-50°	6.2	0.6
50°-60°	1.9	0.2
60°-70°	0.9	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°	933.1	97.0
0°-40°	953.1	99.1
0°-60°	961.2	99.9
0°-90°	962.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9201	
5°	7347	558
15°	964	306
25°	139	70
35°	30	20
45°	7	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9200.8
1°	9086.2
2°	8848.3
3°	8479.1
4°	7971.7
5°	7346.8
6°	6580.7
7°	5724.8
8°	4831.4
9°	3966.6
10°	3169.9
11°	2495.7
12°	1964.5
13°	1546.0
14°	1221.2
15°	963.5
16°	760.1
17°	605.2
18°	486.7
19°	395.9
20°	326.8
22.5°	211.3
25°	139.2
26°	117.5
27°	99.7
28°	83.9
29°	70.1
30°	60.2
32.5°	41.5
35°	29.6
37.5°	21.7
40°	15.8
42.5°	10.9
45°	6.9
47.5°	4.9
50°	3.9
52.5°	3.0
55°	2.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0



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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)