

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: P264289

Luminaire Tested: **LD2B10D010 EU2B1010SP159030D2W 2LBD*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264289
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 EU2B1010SP159030D2W 2LBD*LI
Description: 1000 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 575.0 lumens
Efficiency: N/A
Efficacy: 55.8 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

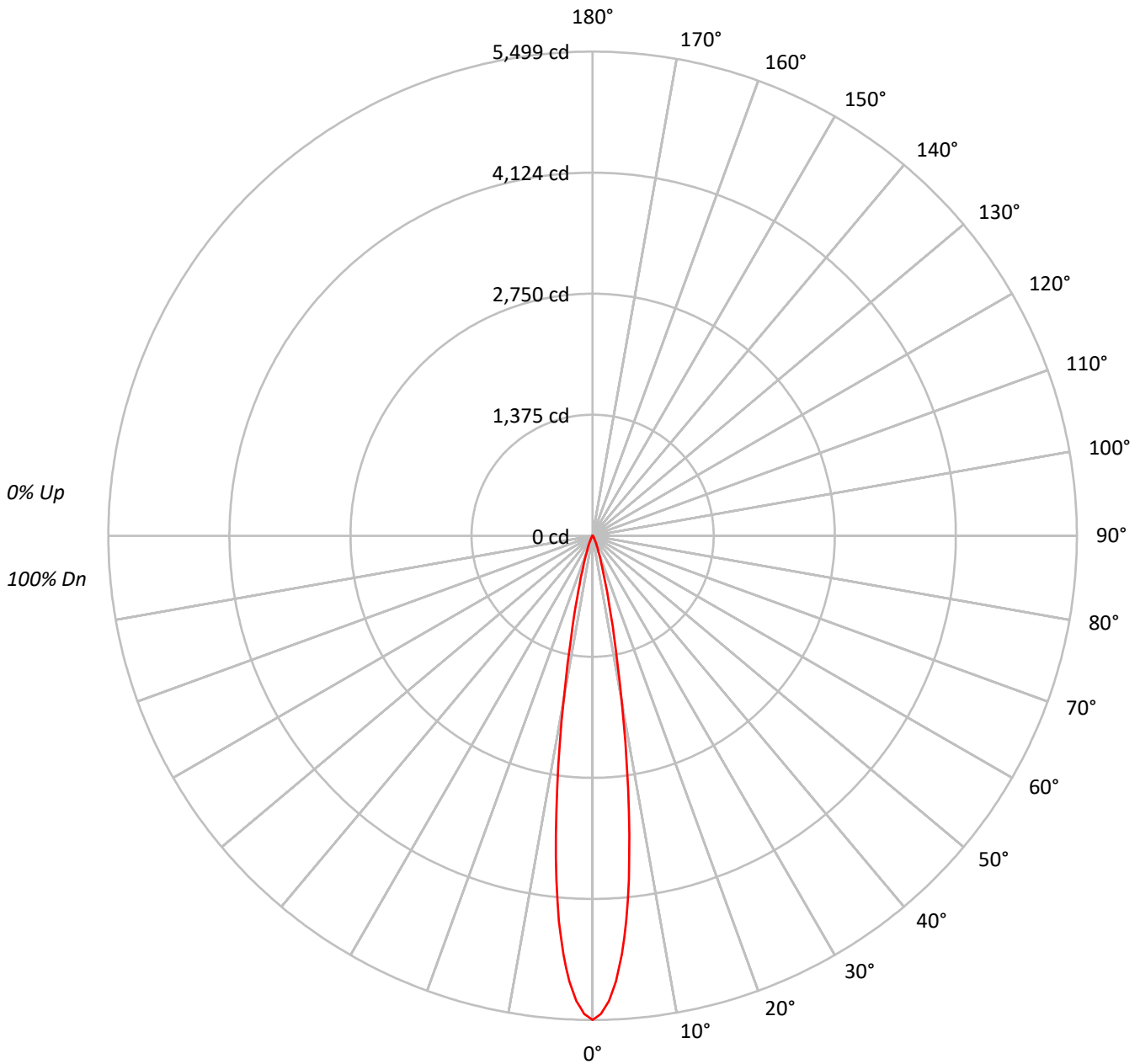
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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	84	89	86	84	88	86	84	83			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2713095
5°	2174676
10°	949143
15°	294150
20°	102537
25°	45291
30°	20509
35°	10660
40°	6118
45°	2861
50°	1842
55°	1032
60°	592
65°	700
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.5	58.0
10°-20°	182.6	31.8
20°-30°	41.6	7.2
30°-40°	12.0	2.1
40°-50°	3.7	0.6
50°-60°	1.1	0.2
60°-70°	0.5	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°	557.7	97.0
0°-40°	569.7	99.1
0°-60°	574.5	99.9
0°-90°	575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	575.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5499	
5°	4391	333
15°	576	183
25°	83	42
35°	18	12
45°	4	4
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5499.2
1°	5430.8
2°	5288.6
3°	5067.9
4°	4764.6
5°	4391.1
6°	3933.2
7°	3421.7
8°	2887.7
9°	2370.8
10°	1894.6
11°	1491.6
12°	1174.2
13°	924.0
14°	729.9
15°	575.9
16°	454.4
17°	361.7
18°	290.9
19°	236.6
20°	195.3
22.5°	126.2
25°	83.2
26°	70.2
27°	59.6
28°	50.2
29°	41.9
30°	36.0
32.5°	24.8
35°	17.7
37.5°	13.0
40°	9.5
42.5°	6.5
45°	4.1
47.5°	3.0
50°	2.4
52.5°	1.8
55°	1.2
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.6



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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)