

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: P264975

Luminaire Tested: **LD2B10D010 EU2B1010SP159030 2LBSQLC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264975  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B10D010 EU2B1010SP159030 2LBSQLC\*MB  
Description: 1000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 743.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

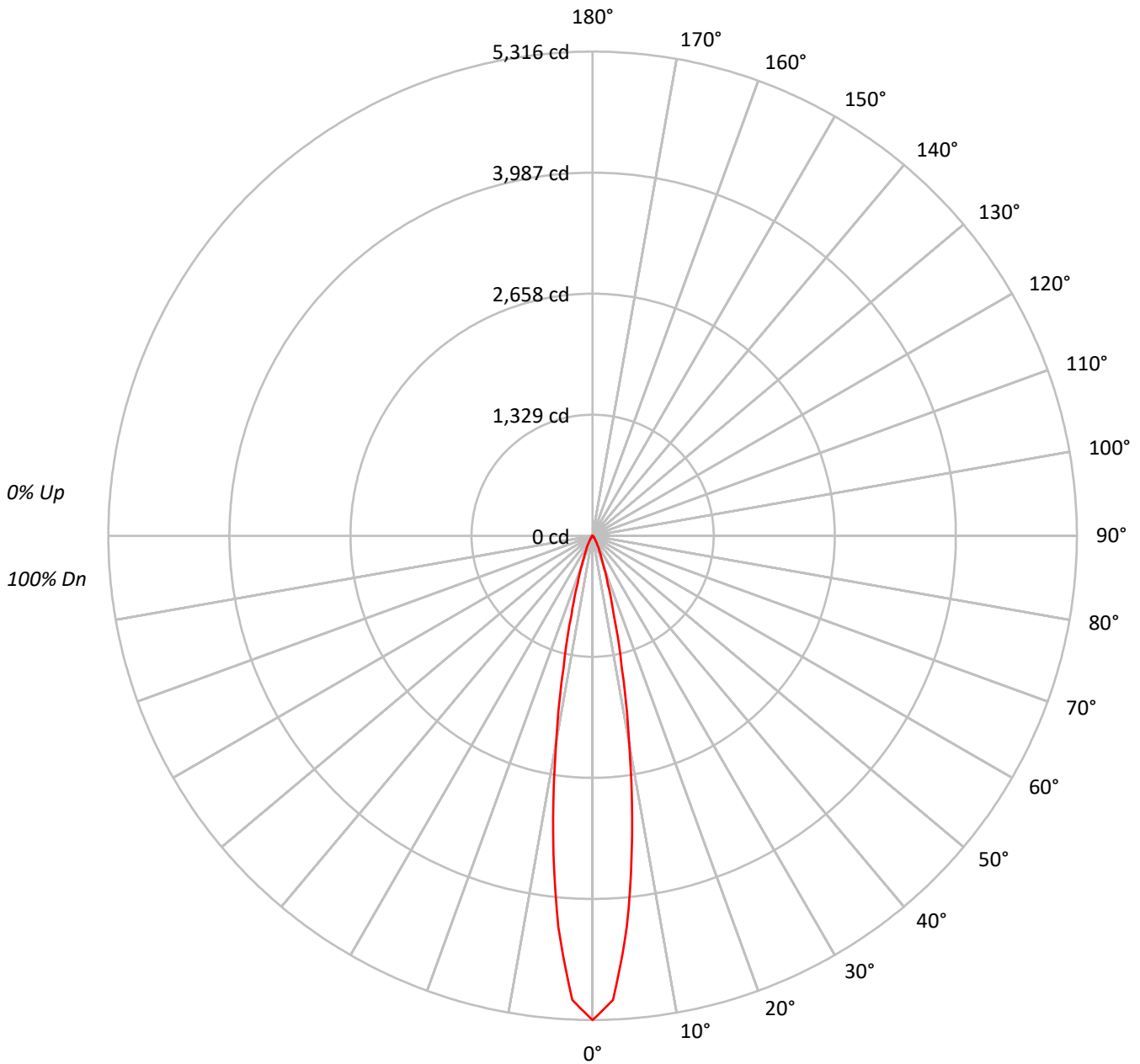
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97																												
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94																												
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92																												
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89																												
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87																												
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85																												
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83																												
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81																												
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79																												
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78																												

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2622958
5°	2134809
10°	1153189
15°	459791
20°	184389
25°	88296
30°	45746
35°	24212
40°	13396
45°	8303
50°	5680
55°	3871
60°	2960
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	346.7	46.7
10°-20°	273.5	36.8
20°-30°	80.7	10.9
30°-40°	26.9	3.6
40°-50°	10.1	1.4
50°-60°	4.5	0.6
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°	700.9	94.3
0°-40°	727.7	97.9
0°-60°	742.3	99.9
0°-90°	743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5316	
5°	4311	347
15°	900	274
25°	162	81
35°	40	27
45°	12	10
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5316.5
2.5°	5102.2
5°	4310.6
7.5°	3321.1
10°	2301.9
12.5°	1473.1
15°	900.2
17.5°	549.1
20°	351.2
22.5°	235.1
25°	162.2
27.5°	114.6
30°	80.3
32.5°	56.5
35°	40.2
37.5°	28.3
40°	20.8
42.5°	16.4
45°	11.9
47.5°	10.4
50°	7.4
52.5°	6.0
55°	4.5
57.5°	4.5
60°	3.0
62.5°	1.5
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)