

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: P264790

Luminaire Tested: **LD2B20D010 EU2B2010SP158040 2LBLC\*MB**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264790  
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: LD2B20D010 EU2B2010SP158040 2LBLC\*MB  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1642.0 lumens  
Efficiency: N/A  
Efficacy: 78.6 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

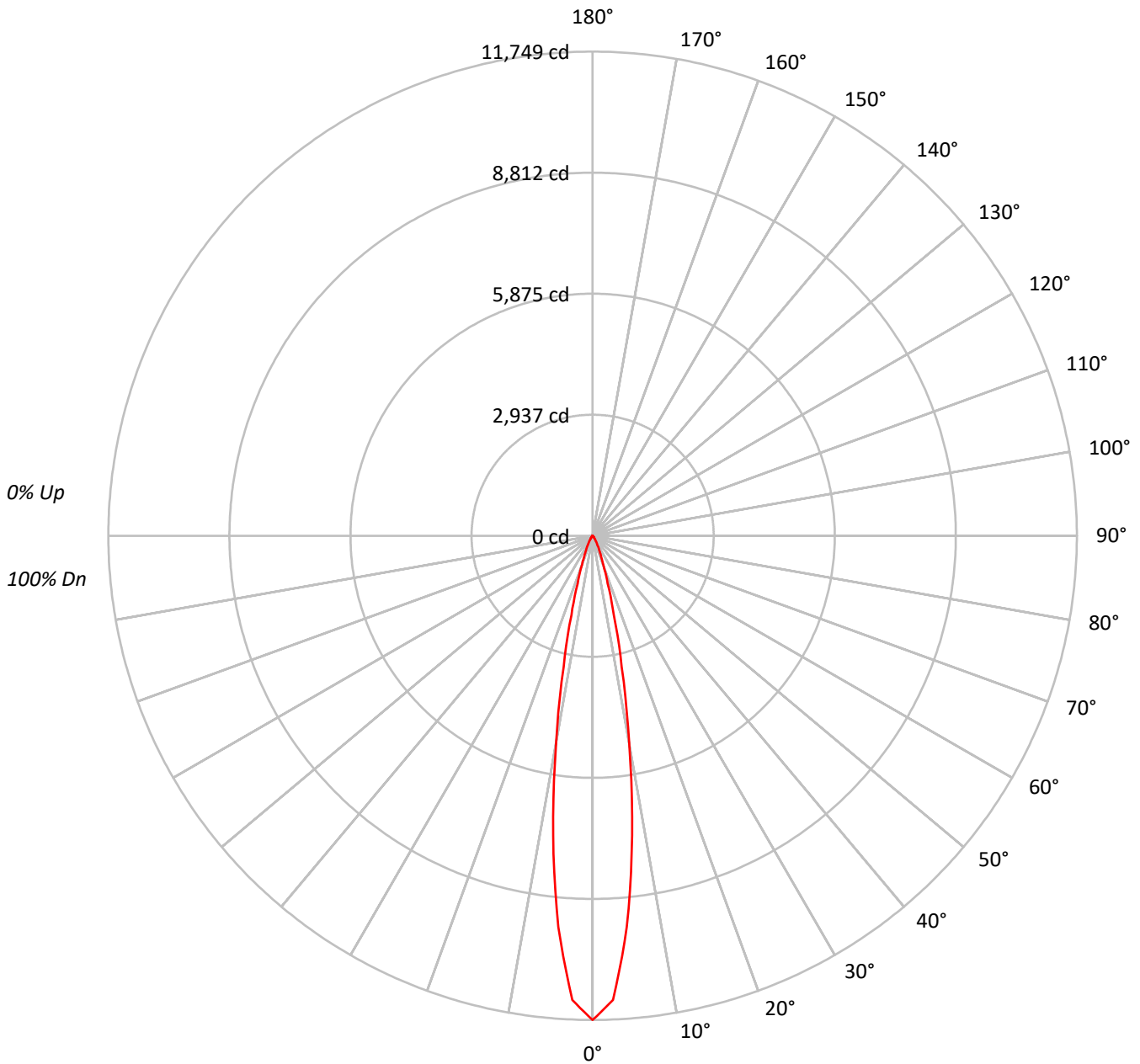
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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									100																			
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97									97																			
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94									94																			
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92									92																			
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89									89																			
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87									87																			
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85									85																			
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83									83																			
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81									81																			
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79									79																			
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78									78																			

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

	0°
0°	5796606
5°	4717865
10°	2548448
15°	1016117
20°	407419
25°	195100
30°	101176
35°	53483
40°	29626
45°	18350
50°	12588
55°	8515
60°	6512
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	766.1	46.7
10°-20°	604.4	36.8
20°-30°	178.3	10.9
30°-40°	59.4	3.6
40°-50°	22.3	1.4
50°-60°	9.9	0.6
60°-70°	1.6	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°	1548.9	94.3
0°-40°	1608.2	97.9
0°-60°	1640.4	99.9
0°-90°	1642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1642.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11749	
5°	9526	766
15°	1989	604
25°	358	178
35°	89	59
45°	26	22
55°	10	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11749.2
2.5°	11275.7
5°	9526.3
7.5°	7339.5
10°	5087.0
12.5°	3255.4
15°	1989.4
17.5°	1213.4
20°	776.0
22.5°	519.6
25°	358.4
27.5°	253.2
30°	177.6
32.5°	125.0
35°	88.8
37.5°	62.5
40°	46.0
42.5°	36.2
45°	26.3
47.5°	23.0
50°	16.4
52.5°	13.2
55°	9.9
57.5°	9.9
60°	6.6
62.5°	3.3
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)