

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: P265151

Luminaire Tested: **LD2B20D010 EU2B2010SP159050 2LBDL\*WH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P265151  
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 EU2B2010SP159050 2LBDL\*WH  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1588.0 lumens  
Efficiency: N/A  
Efficacy: 76.0 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

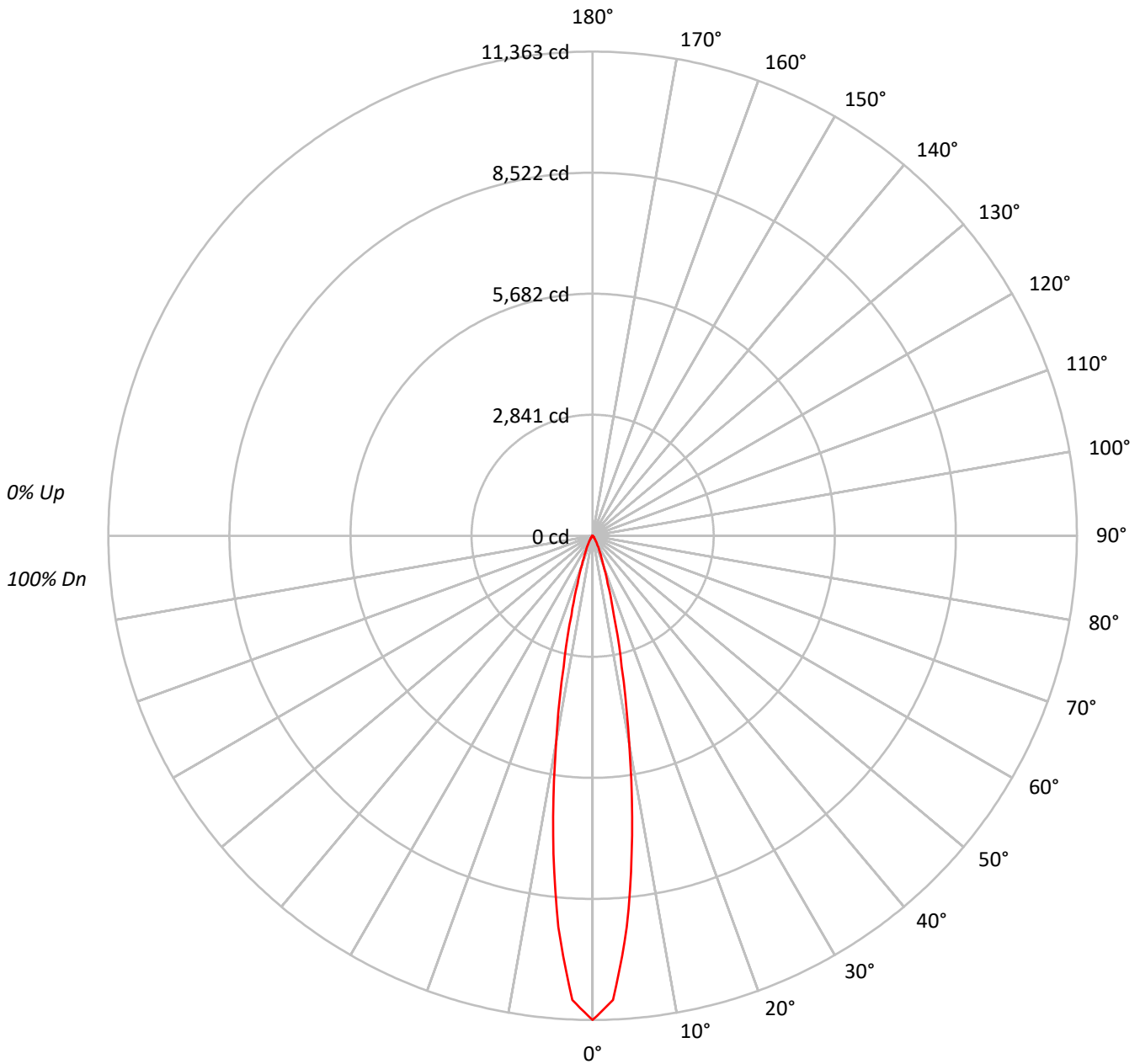
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
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°	5605971
5°	4562705
10°	2464635
15°	982713
20°	394031
25°	188677
30°	97815
35°	51736
40°	28660
45°	17722
50°	12204
55°	8171
60°	6315
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	740.9	46.7
10°-20°	584.6	36.8
20°-30°	172.4	10.9
30°-40°	57.4	3.6
40°-50°	21.6	1.4
50°-60°	9.5	0.6
60°-70°	1.5	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°	1497.9	94.3
0°-40°	1555.3	97.9
0°-60°	1586.4	99.9
0°-90°	1588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11363	
5°	9213	741
15°	1924	585
25°	347	172
35°	86	57
45°	25	22
55°	10	10
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11362.8
2.5°	10904.8
5°	9213.0
7.5°	7098.2
10°	4919.7
12.5°	3148.4
15°	1924.0
17.5°	1173.5
20°	750.5
22.5°	502.5
25°	346.6
27.5°	244.9
30°	171.7
32.5°	120.8
35°	85.9
37.5°	60.4
40°	44.5
42.5°	35.0
45°	25.4
47.5°	22.3
50°	15.9
52.5°	12.7
55°	9.5
57.5°	9.5
60°	6.4
62.5°	3.2
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)