

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: P264841

Luminaire Tested: **LD2B20D010 EU2B2010SP158050 2LBDL\*B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P264841  
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 EU2B2010SP158050 2LBDL\*B  
Description: 2000 Lumen, 2inch Portfolio LED Downlight  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1779.0 lumens  
Efficiency: N/A  
Efficacy: 85.1 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

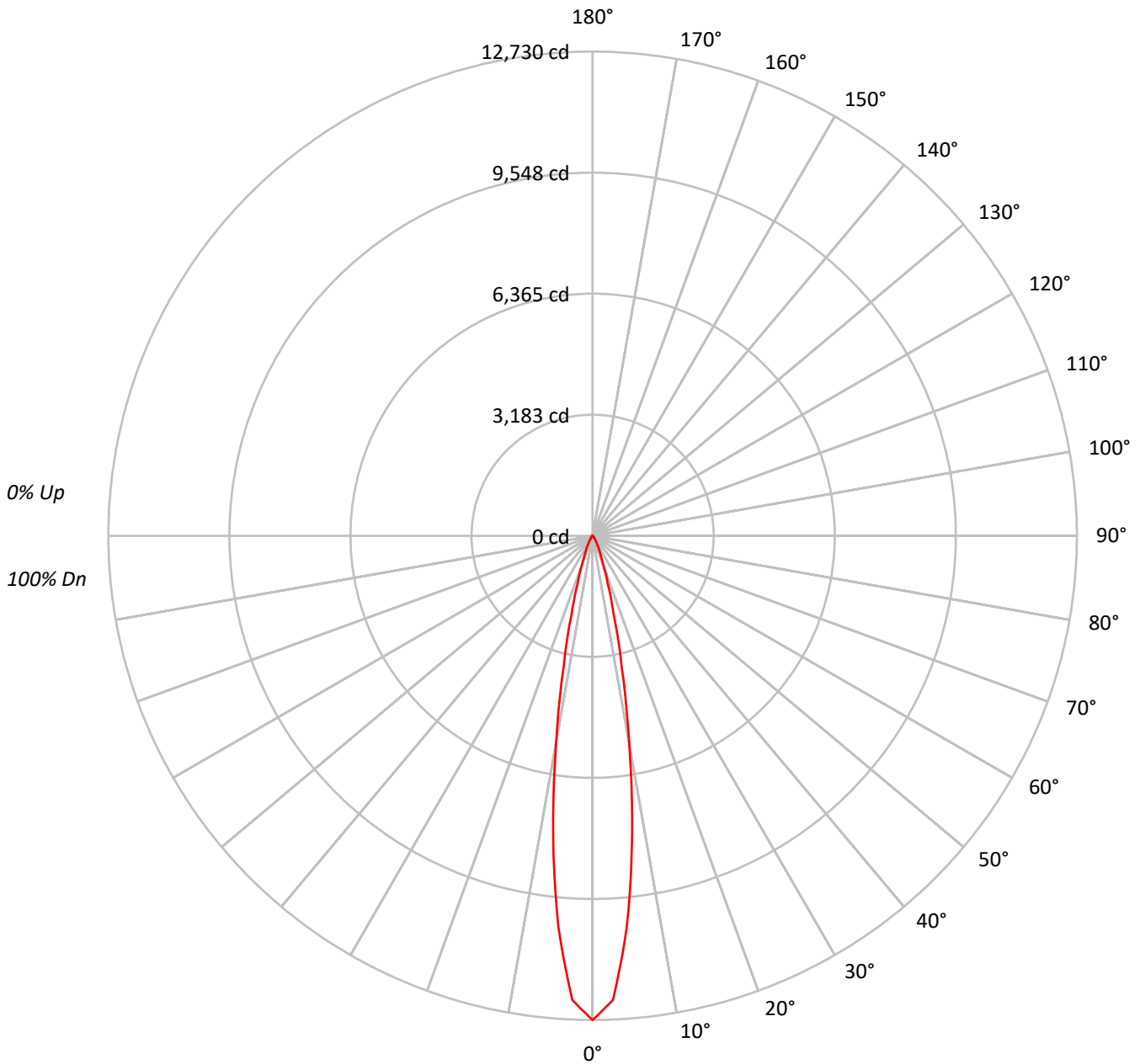
Input Watts (W): 20.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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									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	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°	6280249
5°	5111487
10°	2761111
15°	1100904
20°	441441
25°	211377
30°	109607
35°	57940
40°	32137
45°	19885
50°	13662
55°	9204
60°	7006
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	830.0	46.7
10°-20°	654.9	36.8
20°-30°	193.2	10.9
30°-40°	64.3	3.6
40°-50°	24.2	1.4
50°-60°	10.7	0.6
60°-70°	1.7	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°	1678.1	94.3
0°-40°	1742.4	97.9
0°-60°	1777.3	99.9
0°-90°	1779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1779.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12730	
5°	10321	830
15°	2155	655
25°	388	193
35°	96	64
45°	28	24
55°	11	11
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12729.5
2.5°	12216.4
5°	10321.1
7.5°	7951.9
10°	5511.5
12.5°	3527.1
15°	2155.4
17.5°	1314.6
20°	840.8
22.5°	562.9
25°	388.3
27.5°	274.3
30°	192.4
32.5°	135.4
35°	96.2
37.5°	67.7
40°	49.9
42.5°	39.2
45°	28.5
47.5°	24.9
50°	17.8
52.5°	14.3
55°	10.7
57.5°	10.7
60°	7.1
62.5°	3.6
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)