

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: P225485

Luminaire Tested: **LSSQ2B10FL409050D010 2LBDL\*H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQ2B10FL409050D010 2LBDL\*H  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 843.3 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

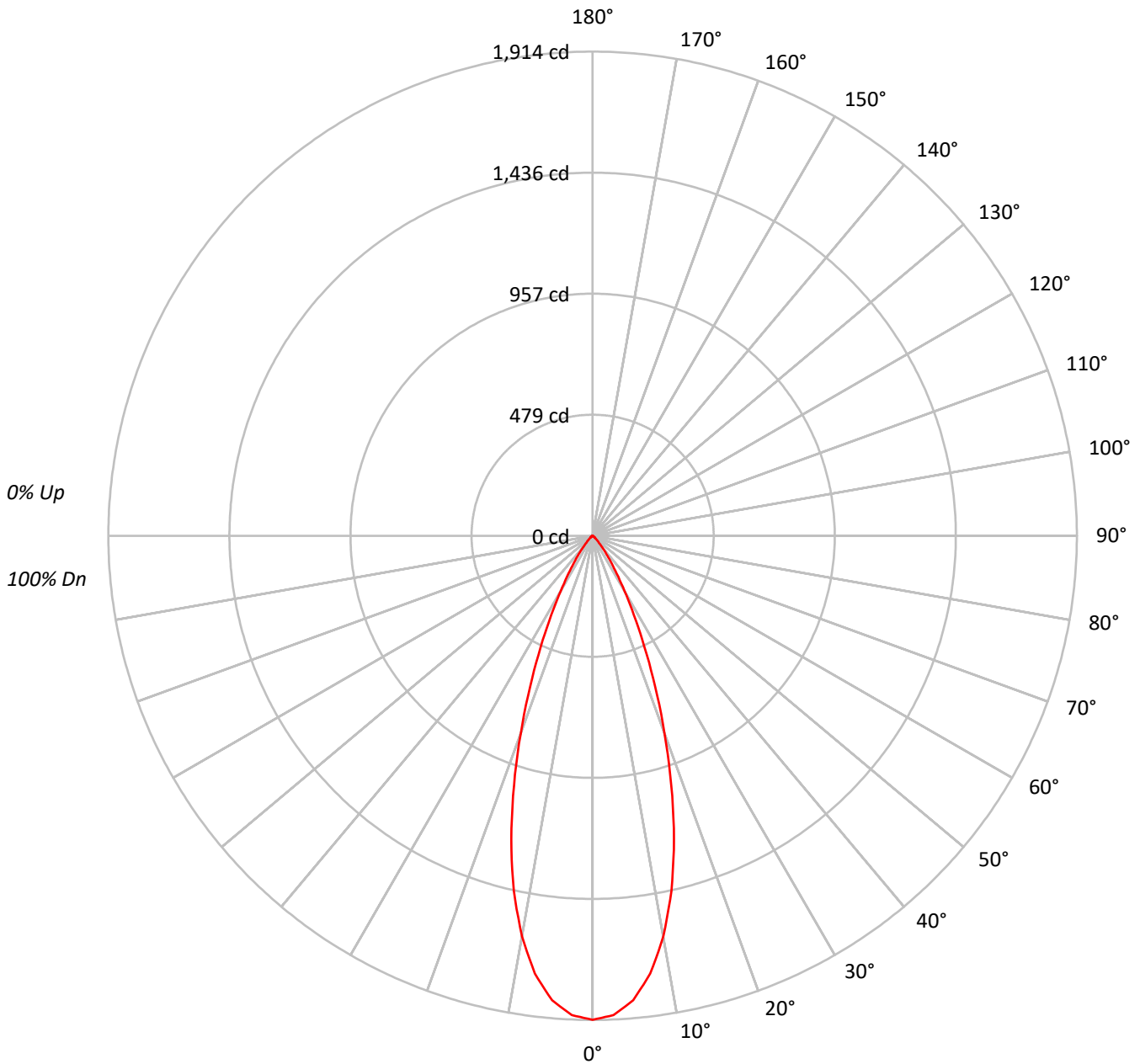
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90			
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86			
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82			
5	97	90	85	81	96	89	84	81	87	83	80	86	82	80	84	81	79	78			
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74			
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71			
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68			
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	69	66	65			
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	63	62			

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

	0°
0°	741225
5°	716528
10°	632225
15°	498095
20°	342295
25°	206685
30°	112041
35°	57595
40°	28164
45°	13366
50°	6990
55°	4727
60°	2711
65°	1100
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.4	20.0
10°-20°	338.1	40.1
20°-30°	225.9	26.8
30°-40°	81.8	9.7
40°-50°	21.1	2.5
50°-60°	6.3	0.7
60°-70°	1.6	0.2
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°	732.4	86.9
0°-40°	814.3	96.6
0°-60°	841.7	99.8
0°-90°	843.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	843.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1914	
5°	1843	168
15°	1242	338
25°	484	226
35°	122	82
45°	24	21
55°	7	6
65°	1	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1913.6
2.5°	1896.2
5°	1842.8
7.5°	1745.4
10°	1607.4
12.5°	1438.1
15°	1242.1
17.5°	1033.3
20°	830.4
22.5°	643.7
25°	483.6
27.5°	352.6
30°	250.5
32.5°	176.3
35°	121.8
37.5°	84.7
40°	55.7
42.5°	36.0
45°	24.4
47.5°	17.4
50°	11.6
52.5°	9.3
55°	7.0
57.5°	4.6
60°	3.5
62.5°	2.3
65°	1.2
67.5°	1.2
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)