

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: P#

Luminaire Tested: **LSSQ2B10WFL559050D010 2LBD\*H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29157)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQ2B10WFL559050D010 2LBD\*H  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
SPUN ROUND TRIM WITH HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

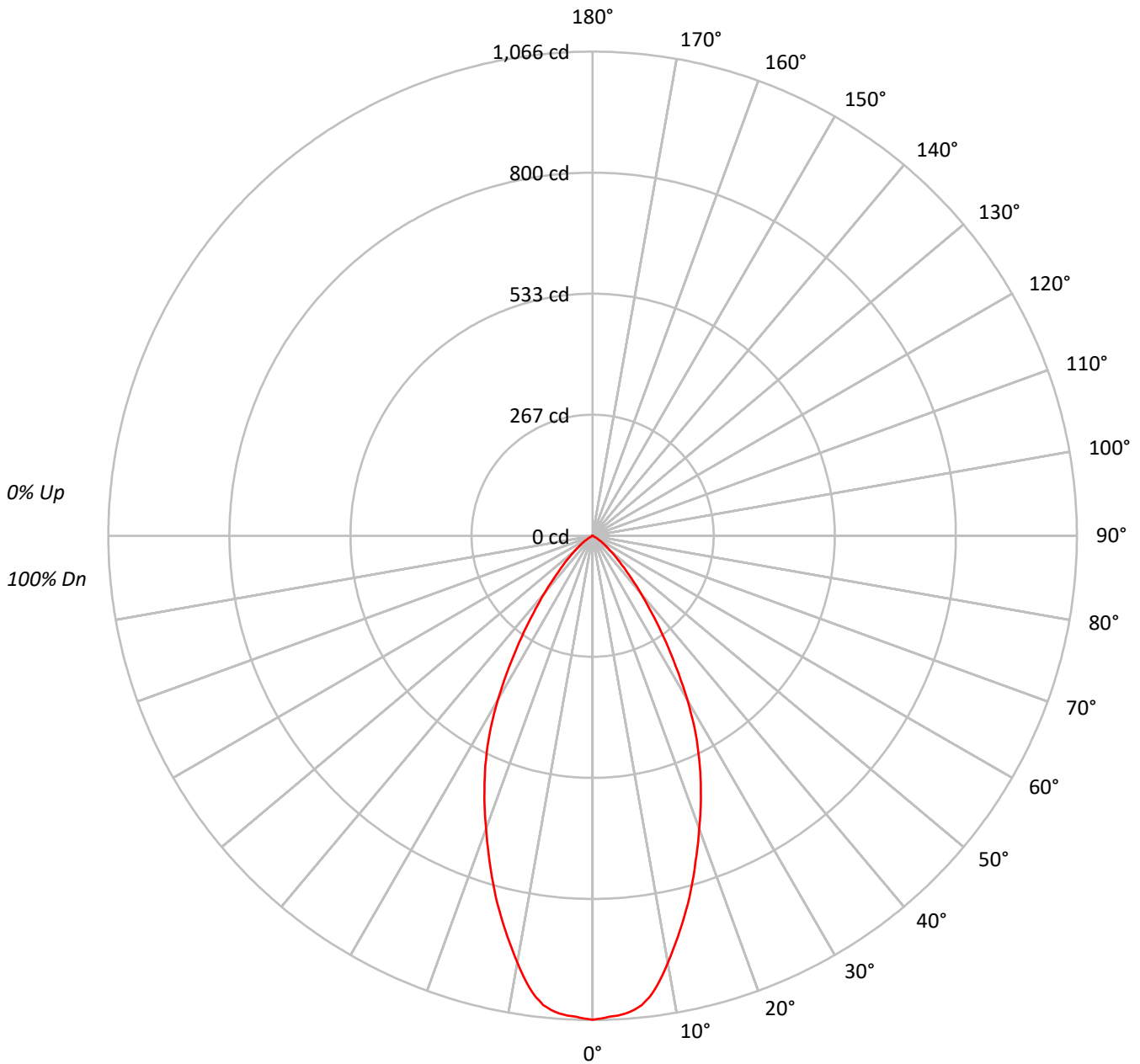
Lumens per Lamp: N/A  
Luminaire Lumens: 851.2 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.82  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	86	100	94	90	86	92	88	84	89	86	83	87	84	82	80			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74			
5	92	83	77	73	90	82	77	73	81	76	72	79	75	71	77	74	71	69			
6	87	78	72	68	86	77	71	67	76	71	67	74	70	66	73	69	66	64			
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	62	56	52	70	61	55	52	60	55	52	59	55	51	59	54	51	50			

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

	0°
0°	412756
5°	407567
10°	375347
15°	330352
20°	282896
25°	238697
30°	186377
35°	128760
40°	82673
45°	50506
50°	29889
55°	17018
60°	5423
65°	825
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.1	11.4
10°-20°	228.9	26.9
20°-30°	253.8	29.8
30°-40°	172.2	20.2
40°-50°	74.3	8.7
50°-60°	23.4	2.7
60°-70°	1.5	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°	579.8	68.1
0°-40°	752.0	88.3
0°-60°	849.7	99.8
0°-90°	851.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	851.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1066	
5°	1048	97
15°	824	229
25°	558	254
35°	272	172
45°	92	74
55°	25	23
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1065.6
1°	1063.0
2°	1059.5
3°	1057.8
4°	1054.3
5°	1048.2
6°	1038.7
7°	1023.9
8°	1003.9
9°	980.4
10°	954.3
11°	928.2
12°	902.1
13°	876.0
14°	849.9
15°	823.8
17.5°	753.3
20°	686.3
22.5°	622.8
25°	558.5
27.5°	491.5
30°	416.7
32.5°	341.0
35°	272.3
37.5°	213.1
40°	163.5
42.5°	123.5
45°	92.2
47.5°	67.9
50°	49.6
52.5°	35.7
55°	25.2
57.5°	16.5
60°	7.0
62.5°	1.7
65°	0.9
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



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**CANDELA DISTRIBUTION (continued):**

0°  
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)