

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: **LSR2B10WFL559024D010 2LBDLC\*MB**

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 (P14809)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B10WFL559024D010 2LBDLC\*MB  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

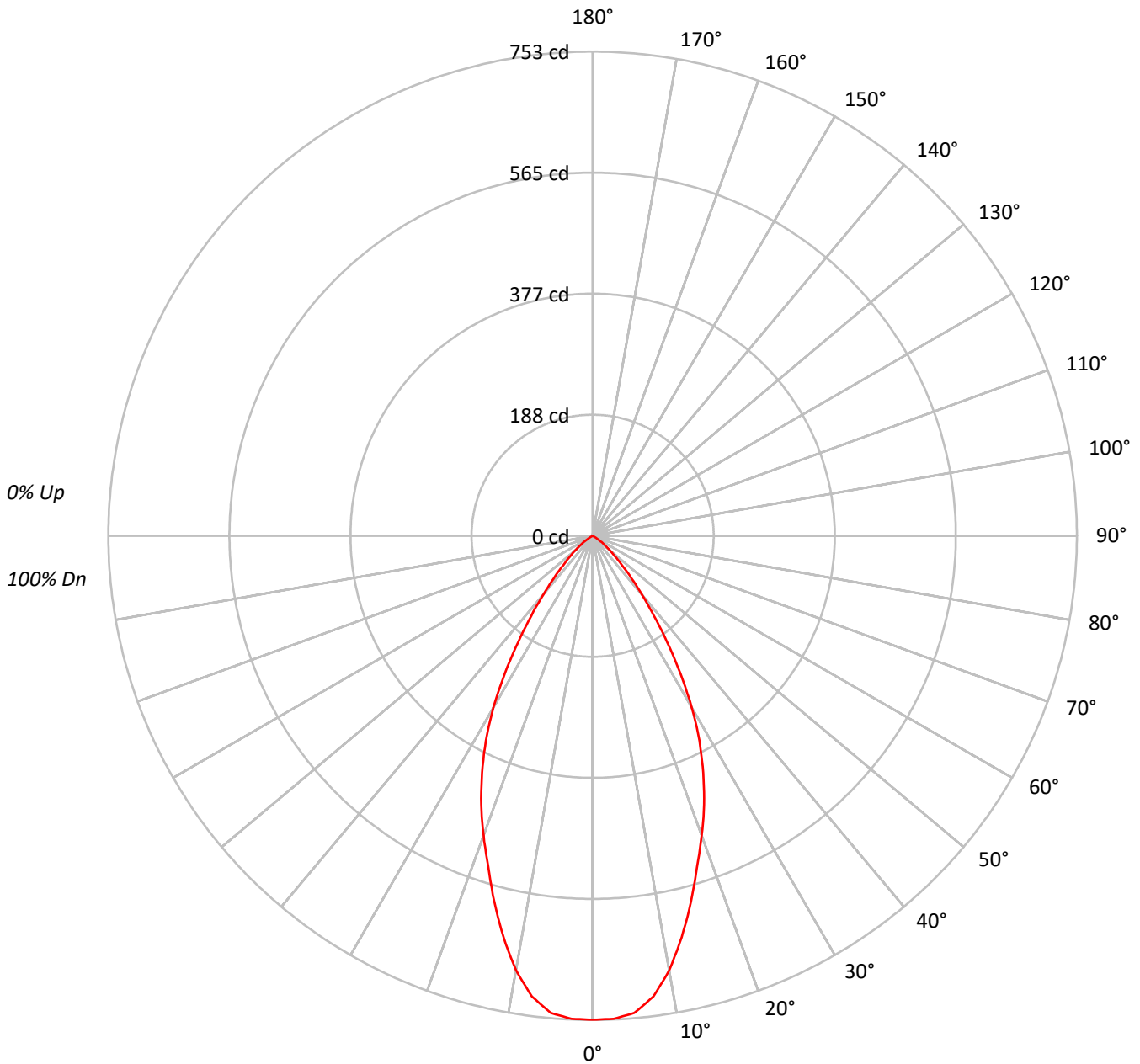
Lumens per Lamp: N/A  
Luminaire Lumens: 612.4 lumens  
Efficiency: N/A  
Efficacy: 59.5 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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																	
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																											
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93																											
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																											
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																											
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																											
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																											
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																											
7	83	73	67	63	81	73	67	63	71	66	63	70	66	62	69	65	62	60																											
8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57																											
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53																											
10	71	62	56	52	70	61	56	52	60	55	52	60	55	52	59	55	51	50																											

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

	0°
0°	291517
5°	289636
10°	269779
15°	236596
20°	204371
25°	173819
30°	137893
35°	95140
40°	59767
45°	35661
50°	20669
55°	10400
60°	697
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.2	11.3
10°-20°	164.4	26.8
20°-30°	185.1	30.2
30°-40°	127.2	20.8
40°-50°	52.8	8.6
50°-60°	13.6	2.2
60°-70°	0.1	0.0
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°	418.7	68.4
0°-40°	545.9	89.1
0°-60°	612.3	100.0
0°-90°	612.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	612.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	753	
5°	745	69
15°	590	164
25°	407	185
35°	201	127
45°	65	53
55°	15	14
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	752.6
2.5°	751.8
5°	744.9
7.5°	722.7
10°	685.9
12.5°	639.6
15°	590.0
17.5°	539.4
20°	495.8
22.5°	453.0
25°	406.7
27.5°	359.6
30°	308.3
32.5°	253.5
35°	201.2
37.5°	156.7
40°	118.2
42.5°	89.1
45°	65.1
47.5°	47.1
50°	34.3
52.5°	24.0
55°	15.4
57.5°	5.1
60°	0.9
62.5°	0.0
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)