

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: **LSR2B10WFL559035D010 2LBD\*MW**

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 (P14810)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B10WFL559035D010 2LBD\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
SPUN ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

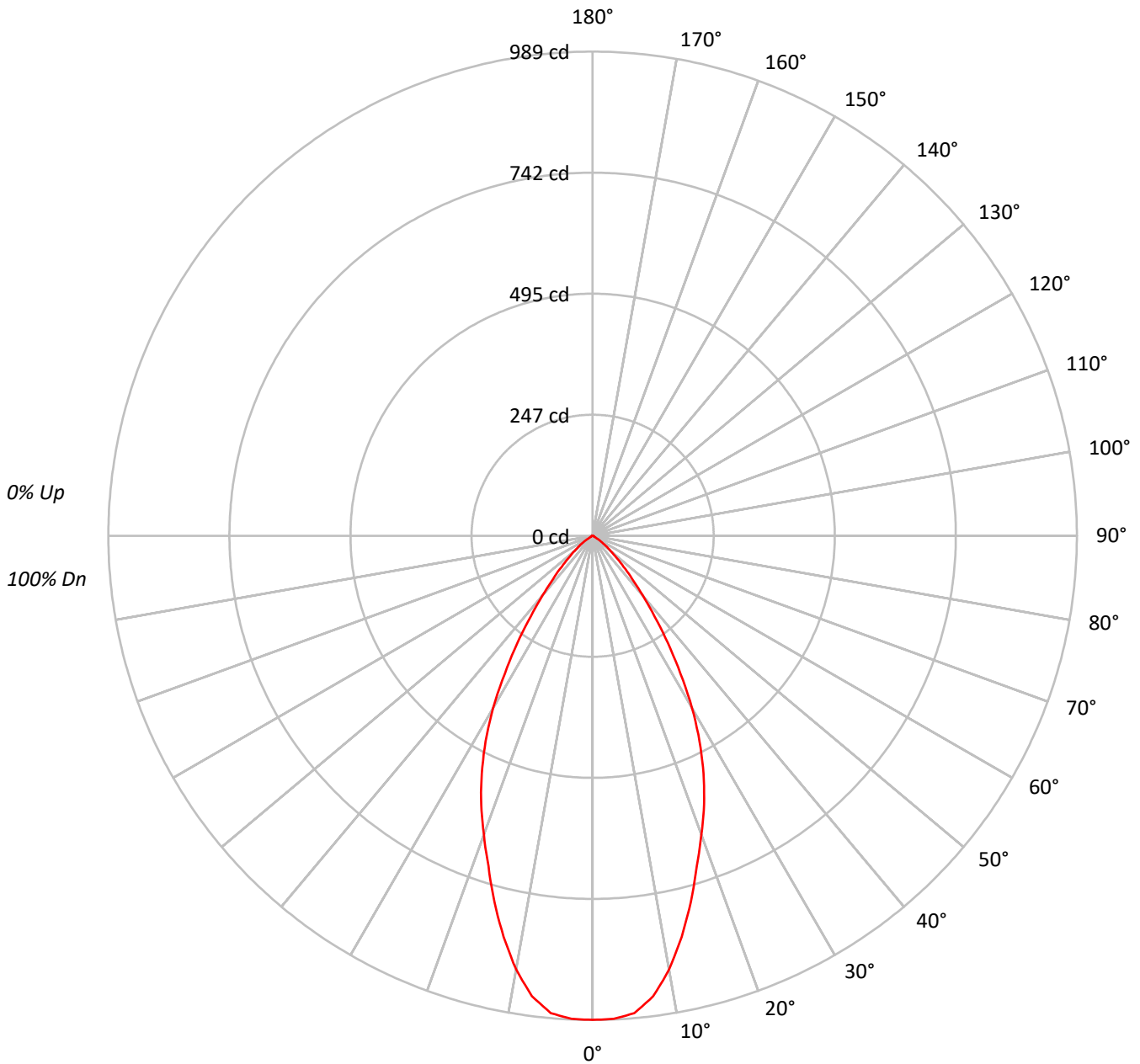
Lumens per Lamp: N/A  
Luminaire Lumens: 816.4 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93																			
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86																			
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80																			
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74																			
5	91	83	77	72	90	82	76	72	80	75	72	78	74	71	77	73	70	69																			
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64																			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60																			
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56																			
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53																			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49																			

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

	0°
0°	383008
5°	380582
10°	353793
15°	310582
20°	267727
25°	228952
30°	181681
35°	126632
40°	80145
45°	48918
50°	28925
55°	15802
60°	3486
65°	3025
70°	2492
75°	3292
80°	2454
85°	4889



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.8	11.1
10°-20°	215.7	26.4
20°-30°	243.4	29.8
30°-40°	168.4	20.6
40°-50°	71.8	8.8
50°-60°	20.7	2.5
60°-70°	3.0	0.4
70°-80°	1.9	0.2
80°-90°	0.7	0.1
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°	549.9	67.4
0°-40°	718.3	88.0
0°-60°	810.8	99.3
0°-90°	816.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	816.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	989	
5°	979	91
15°	774	216
25°	536	243
35°	268	168
45°	89	72
55°	23	21
65°	3	3
75°	2	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	988.8
2.5°	987.7
5°	978.8
7.5°	948.6
10°	899.5
12.5°	839.3
15°	774.5
17.5°	707.6
20°	649.5
22.5°	594.8
25°	535.7
27.5°	473.2
30°	406.2
32.5°	333.7
35°	267.8
37.5°	207.6
40°	158.5
42.5°	119.4
45°	89.3
47.5°	64.7
50°	48.0
52.5°	34.6
55°	23.4
57.5°	10.0
60°	4.5
62.5°	3.3
65°	3.3
67.5°	2.2
70°	2.2
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)