

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: **LSR2B10WFL558050D010 2LBDC\**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: LSR2B10WFL558050D010 2LBDC\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

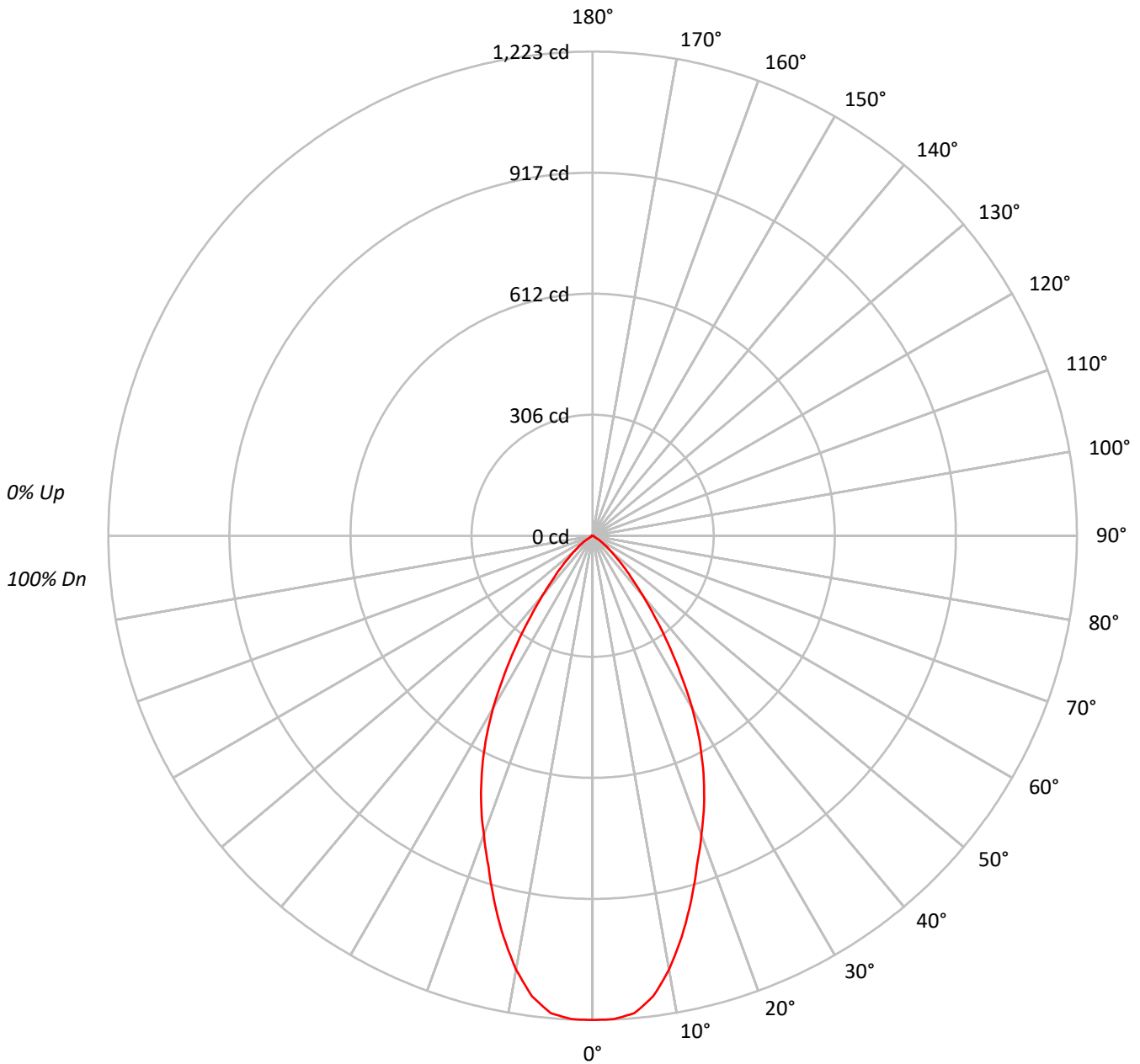
Lumens per Lamp: N/A  
Luminaire Lumens: 1010.0 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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

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

	0°
0°	473763
5°	470751
10°	437649
15°	384208
20°	331207
25°	283231
30°	224752
35°	156659
40°	99106
45°	60476
50°	35795
55°	19584
60°	4261
65°	3758
70°	3171
75°	4190
80°	3123
85°	6222



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.4	11.1
10°-20°	266.8	26.4
20°-30°	301.0	29.8
30°-40°	208.3	20.6
40°-50°	88.8	8.8
50°-60°	25.7	2.5
60°-70°	3.7	0.4
70°-80°	2.4	0.2
80°-90°	1.0	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°	680.2	67.3
0°-40°	888.5	88.0
0°-60°	1002.9	99.3
0°-90°	1010.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1010.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1223	
5°	1211	112
15°	958	267
25°	663	301
35°	331	208
45°	110	89
55°	29	26
65°	4	4
75°	3	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1223.1
2.5°	1221.8
5°	1210.7
7.5°	1173.4
10°	1112.7
12.5°	1038.2
15°	958.1
17.5°	875.3
20°	803.5
22.5°	735.8
25°	662.7
27.5°	585.3
30°	502.5
32.5°	412.8
35°	331.3
37.5°	256.8
40°	196.0
42.5°	147.7
45°	110.4
47.5°	80.1
50°	59.4
52.5°	42.8
55°	29.0
57.5°	12.4
60°	5.5
62.5°	4.1
65°	4.1
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	1.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)