

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: **LSR2B10WFL558035D010 2LBDLC\*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: LSR2B10WFL558035D010 2LBDLC\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

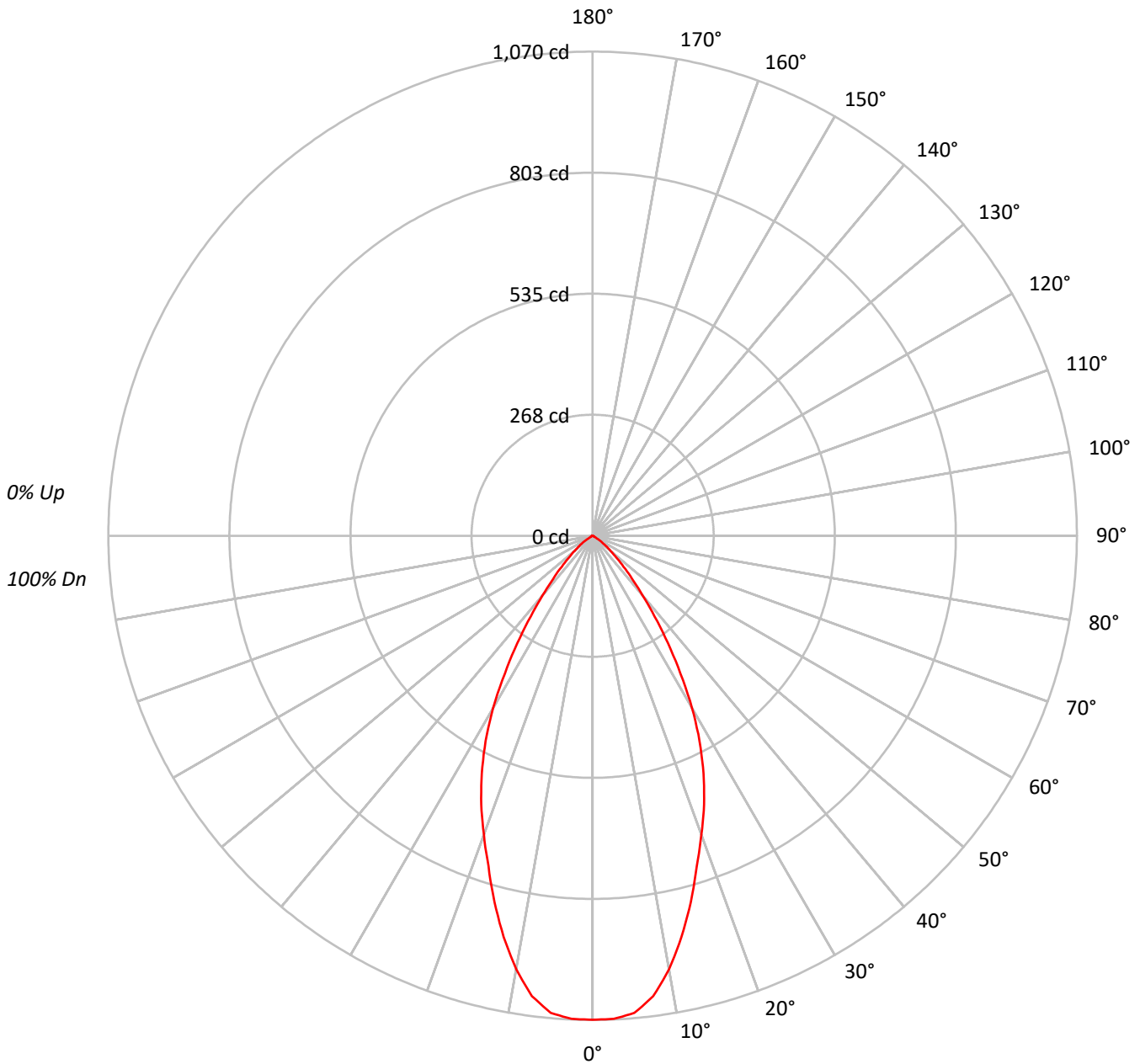
Lumens per Lamp: N/A  
Luminaire Lumens: 883.2 lumens  
Efficiency: N/A  
Efficacy: 85.7 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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	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	71	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°	414305
5°	411650
10°	382702
15°	335966
20°	289615
25°	247672
30°	196530
35°	136988
40°	86667
45°	52917
50°	31275
55°	17153
60°	3719
65°	3300
70°	2718
75°	3592
80°	2677
85°	5333



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.3	11.1
10°-20°	233.3	26.4
20°-30°	263.3	29.8
30°-40°	182.1	20.6
40°-50°	77.6	8.8
50°-60°	22.5	2.5
60°-70°	3.3	0.4
70°-80°	2.1	0.2
80°-90°	0.8	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°	594.8	67.4
0°-40°	776.9	88.0
0°-60°	877.0	99.3
0°-90°	883.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1070	
5°	1059	98
15°	838	233
25°	580	263
35°	290	182
45°	97	78
55°	25	22
65°	4	3
75°	2	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1069.6
2.5°	1068.4
5°	1058.7
7.5°	1026.1
10°	973.0
12.5°	907.8
15°	837.8
17.5°	765.4
20°	702.6
22.5°	643.4
25°	579.5
27.5°	511.9
30°	439.4
32.5°	361.0
35°	289.7
37.5°	224.5
40°	171.4
42.5°	129.2
45°	96.6
47.5°	70.0
50°	51.9
52.5°	37.4
55°	25.4
57.5°	10.9
60°	4.8
62.5°	3.6
65°	3.6
67.5°	2.4
70°	2.4
72.5°	2.4
75°	2.4
77.5°	1.2
80°	1.2
82.5°	1.2
85°	1.2
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)