

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: **LSR2B10WFL559050D010 2LBD\*WMH**

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 (P14805)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B10WFL559050D010 2LBD\*WMH  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

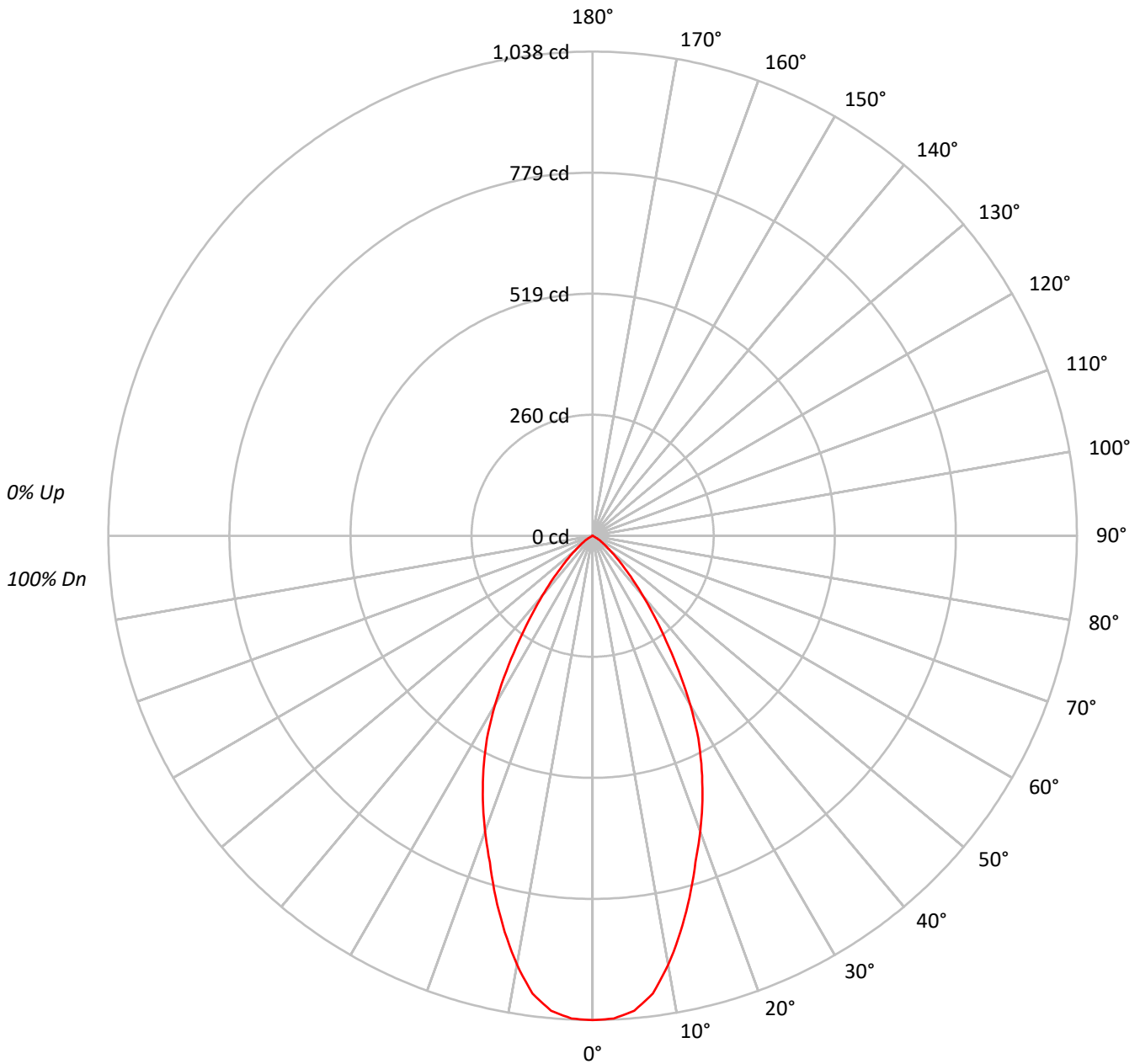
Lumens per Lamp: N/A  
Luminaire Lumens: 844.5 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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
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	86		
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80		
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	78	76	74		
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69		
6	87	78	72	67	85	77	71	67	75	70	67	74	70	66	73	69	66	64		
7	82	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60		
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56		
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53		
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50		

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

	0°
0°	402181
5°	397419
10°	367323
15°	321931
20°	277826
25°	236517
30°	187316
35°	129990
40°	84493
45°	50835
50°	29347
55°	16478
60°	7205
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.8	11.2
10°-20°	223.7	26.5
20°-30°	251.8	29.8
30°-40°	173.9	20.6
40°-50°	75.3	8.9
50°-60°	23.4	2.8
60°-70°	1.7	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°	570.2	67.5
0°-40°	744.1	88.1
0°-60°	842.8	99.8
0°-90°	844.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	844.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1038	
5°	1022	95
15°	803	224
25°	553	252
35°	275	174
45°	93	75
55°	24	23
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1038.3
2.5°	1036.0
5°	1022.1
7.5°	989.6
10°	933.9
12.5°	870.1
15°	802.8
17.5°	733.2
20°	674.0
22.5°	614.9
25°	553.4
27.5°	490.7
30°	418.8
32.5°	343.4
35°	274.9
37.5°	215.8
40°	167.1
42.5°	126.5
45°	92.8
47.5°	68.4
50°	48.7
52.5°	34.8
55°	24.4
57.5°	17.4
60°	9.3
62.5°	2.3
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)