

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\*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: LSR2B10WFL559035D010 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**

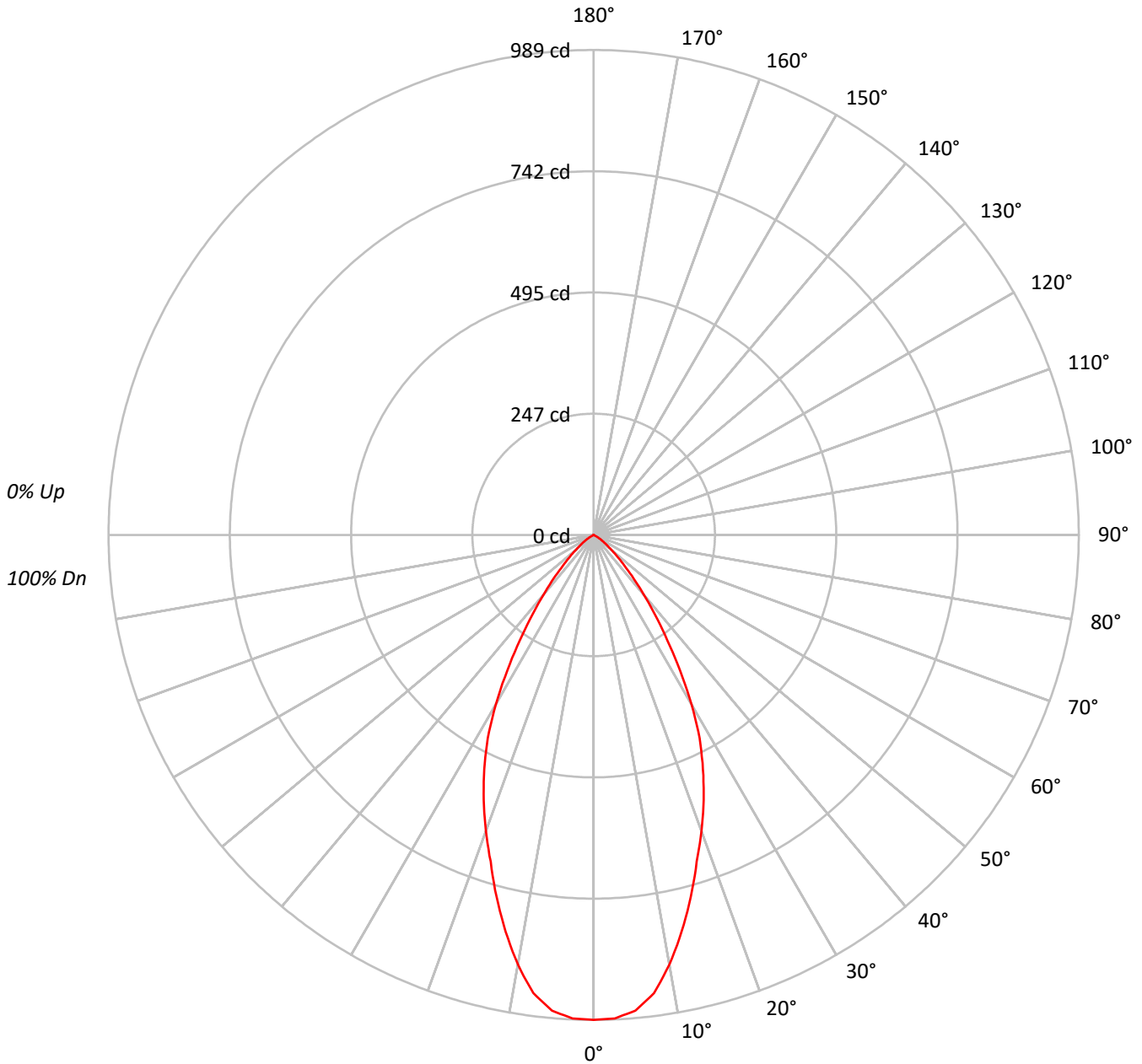
Lumens per Lamp: N/A  
Luminaire Lumens: 804.5 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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																	
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	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°	383124
5°	378599
10°	349938
15°	306693
20°	264677
25°	225319
30°	178460
35°	123843
40°	80448
45°	48425
50°	27961
55°	15667
60°	6817
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.3	11.2
10°-20°	213.1	26.5
20°-30°	239.9	29.8
30°-40°	165.7	20.6
40°-50°	71.8	8.9
50°-60°	22.3	2.8
60°-70°	1.6	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°	543.2	67.5
0°-40°	708.9	88.1
0°-60°	802.9	99.8
0°-90°	804.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	804.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	989	
5°	974	90
15°	765	213
25°	527	240
35°	262	166
45°	88	72
55°	23	22
65°	0	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	989.1
2.5°	986.9
5°	973.7
7.5°	942.7
10°	889.7
12.5°	828.9
15°	764.8
17.5°	698.5
20°	642.1
22.5°	585.7
25°	527.2
27.5°	467.5
30°	399.0
32.5°	327.1
35°	261.9
37.5°	205.6
40°	159.1
42.5°	120.5
45°	88.4
47.5°	65.2
50°	46.4
52.5°	33.2
55°	23.2
57.5°	16.6
60°	8.8
62.5°	2.2
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)