

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: **LSR2B05WFL559027D010 2LBDLC\*MB**

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 (P14809)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B05WFL559027D010 2LBDLC\*MB  
Description: 500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

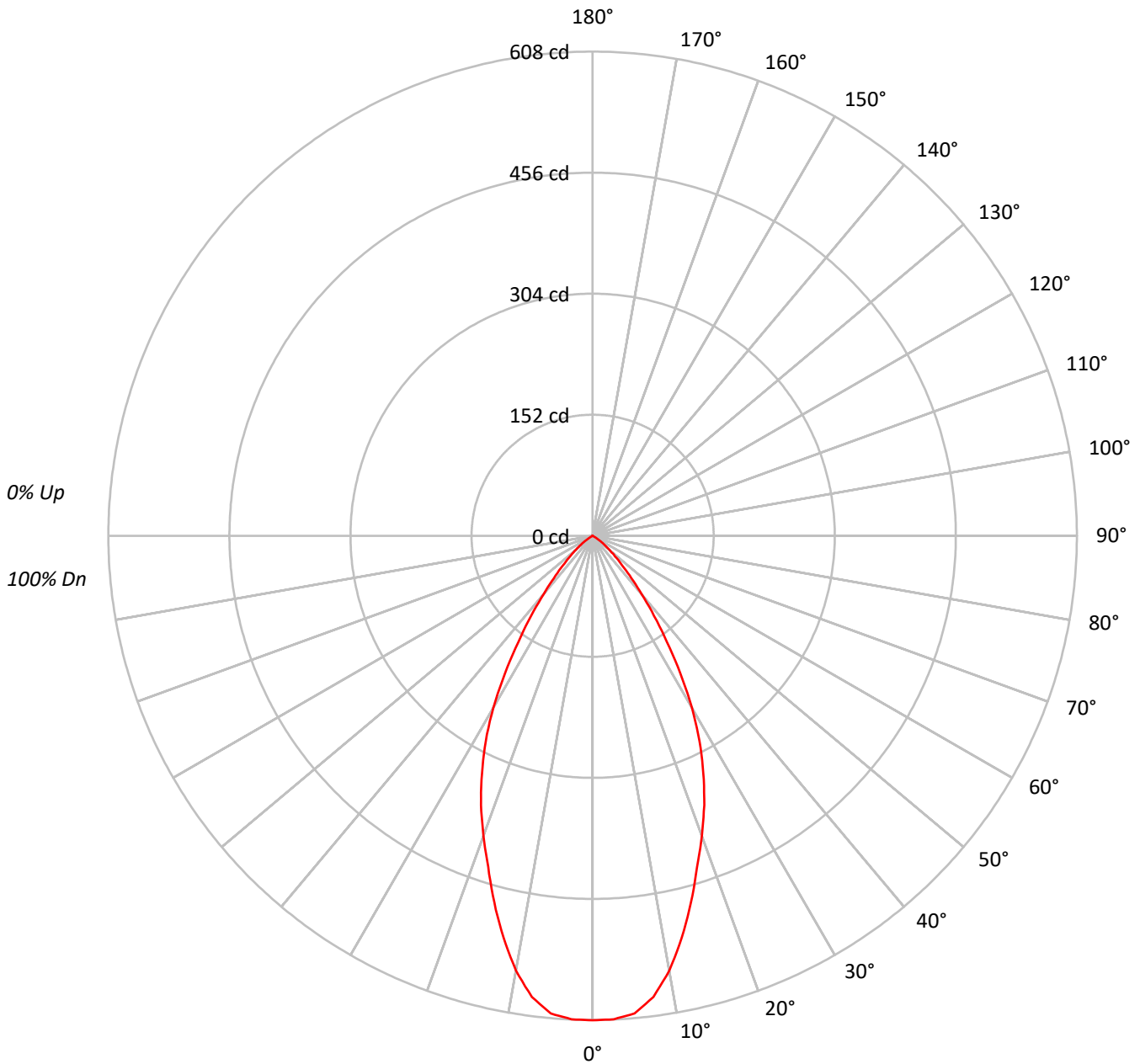
Lumens per Lamp: N/A  
Luminaire Lumens: 495.1 lumens  
Efficiency: N/A  
Efficacy: 67.8 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.3  
Input Voltage (V): NR  
Input Current (Ain): 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



TEST NUMBER: P#  
CATALOG NUMBER: LSR2B05WFL559027D010 2LBDLC\*MB

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559027D010 2LBDLC\*MB

**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	109	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	63	70	66	62	69	65	62	60		
8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53		
10	71	62	56	52	70	61	56	52	60	55	52	60	55	52	59	55	51	50		

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

	0°
0°	235661
5°	234112
10°	218057
15°	191242
20°	165171
25°	140526
30°	111459
35°	76887
40°	48289
45°	28814
50°	16692
55°	8441
60°	542
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559027D010 2LBDLC\*MB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.9	11.3
10°-20°	132.9	26.8
20°-30°	149.6	30.2
30°-40°	102.8	20.8
40°-50°	42.7	8.6
50°-60°	11.0	2.2
60°-70°	0.1	0.0
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°	338.4	68.4
0°-40°	441.2	89.1
0°-60°	495.0	100.0
0°-90°	495.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	608	
5°	602	56
15°	477	133
25°	329	150
35°	163	103
45°	53	43
55°	12	11
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559027D010 2LBDLC\*MB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	608.4
2.5°	607.7
5°	602.1
7.5°	584.1
10°	554.4
12.5°	517.0
15°	476.9
17.5°	436.0
20°	400.7
22.5°	366.1
25°	328.8
27.5°	290.7
30°	249.2
32.5°	204.9
35°	162.6
37.5°	126.7
40°	95.5
42.5°	72.0
45°	52.6
47.5°	38.1
50°	27.7
52.5°	19.4
55°	12.5
57.5°	4.2
60°	0.7
62.5°	0.0
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



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)