

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: **LSR2B05WFL559050D010 2LBDL\*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: LSR2B05WFL559050D010 2LBDL\*WMH  
Description: 500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

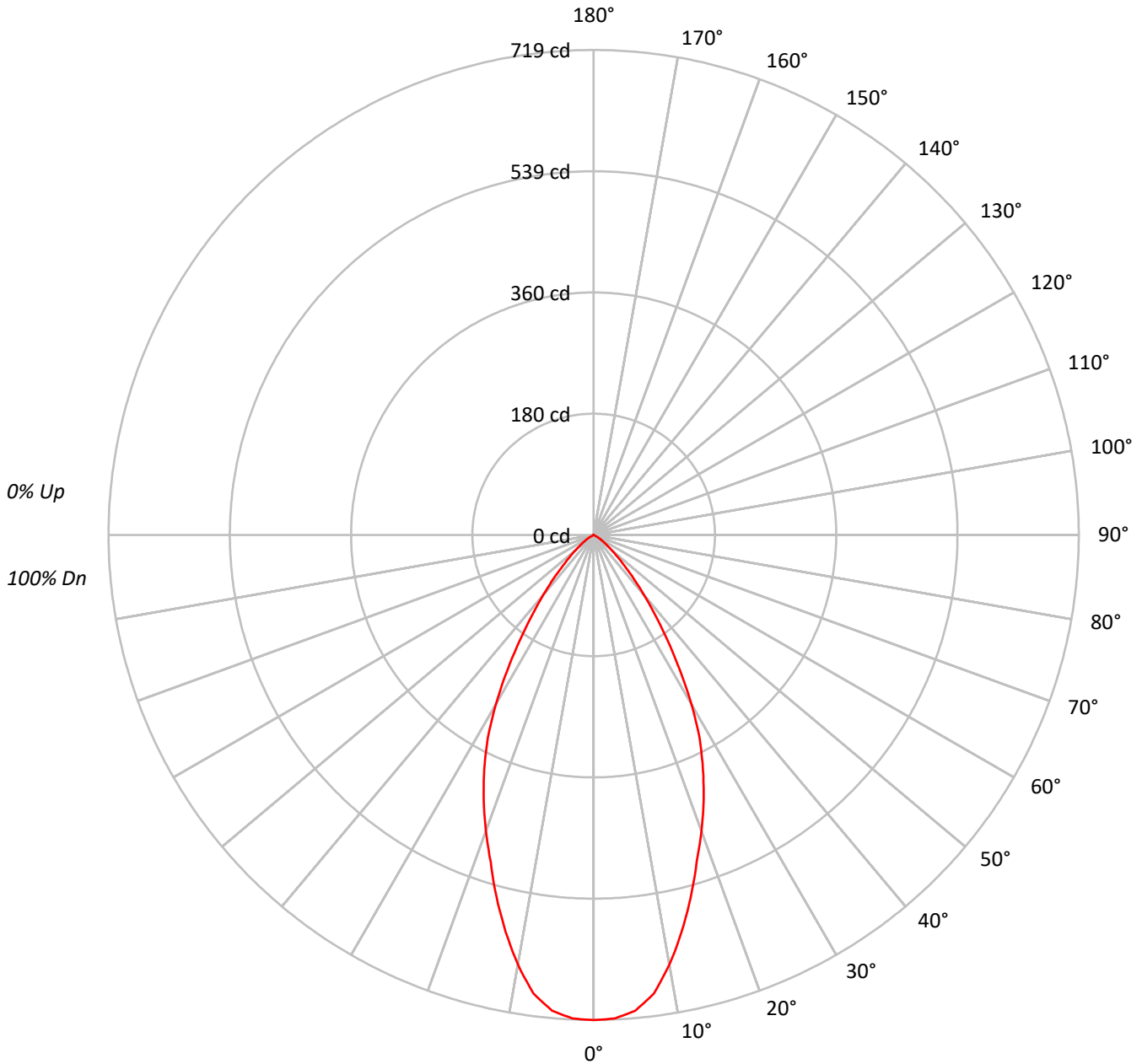
Lumens per Lamp: N/A  
Luminaire Lumens: 585.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.3  
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



TEST NUMBER: P#  
CATALOG NUMBER: LSR2B05WFL559050D010 2LBDL\*WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559050D010 2LBDL\*WMH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	78	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°	278618
5°	275289
10°	254440
15°	223002
20°	192459
25°	163818
30°	129753
35°	90080
40°	58503
45°	35223
50°	20368
55°	11413
60°	4958
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559050D010 2LBDL\*WMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.7	11.2
10°-20°	154.9	26.5
20°-30°	174.4	29.8
30°-40°	120.5	20.6
40°-50°	52.2	8.9
50°-60°	16.2	2.8
60°-70°	1.2	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°	395.0	67.5
0°-40°	515.5	88.1
0°-60°	583.8	99.8
0°-90°	585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	585.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	719	
5°	708	66
15°	556	155
25°	383	174
35°	190	120
45°	64	52
55°	17	16
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSR2B05WFL559050D010 2LBDL\*WMH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	719.3
2.5°	717.6
5°	708.0
7.5°	685.5
10°	646.9
12.5°	602.7
15°	556.1
17.5°	507.9
20°	466.9
22.5°	425.9
25°	383.3
27.5°	339.9
30°	290.1
32.5°	237.9
35°	190.5
37.5°	149.5
40°	115.7
42.5°	87.6
45°	64.3
47.5°	47.4
50°	33.8
52.5°	24.1
55°	16.9
57.5°	12.1
60°	6.4
62.5°	1.6
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)