

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: **LSSQ2B15WFL559050D010 2LBDL\*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: LSSQ2B15WFL559050D010 2LBDL\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

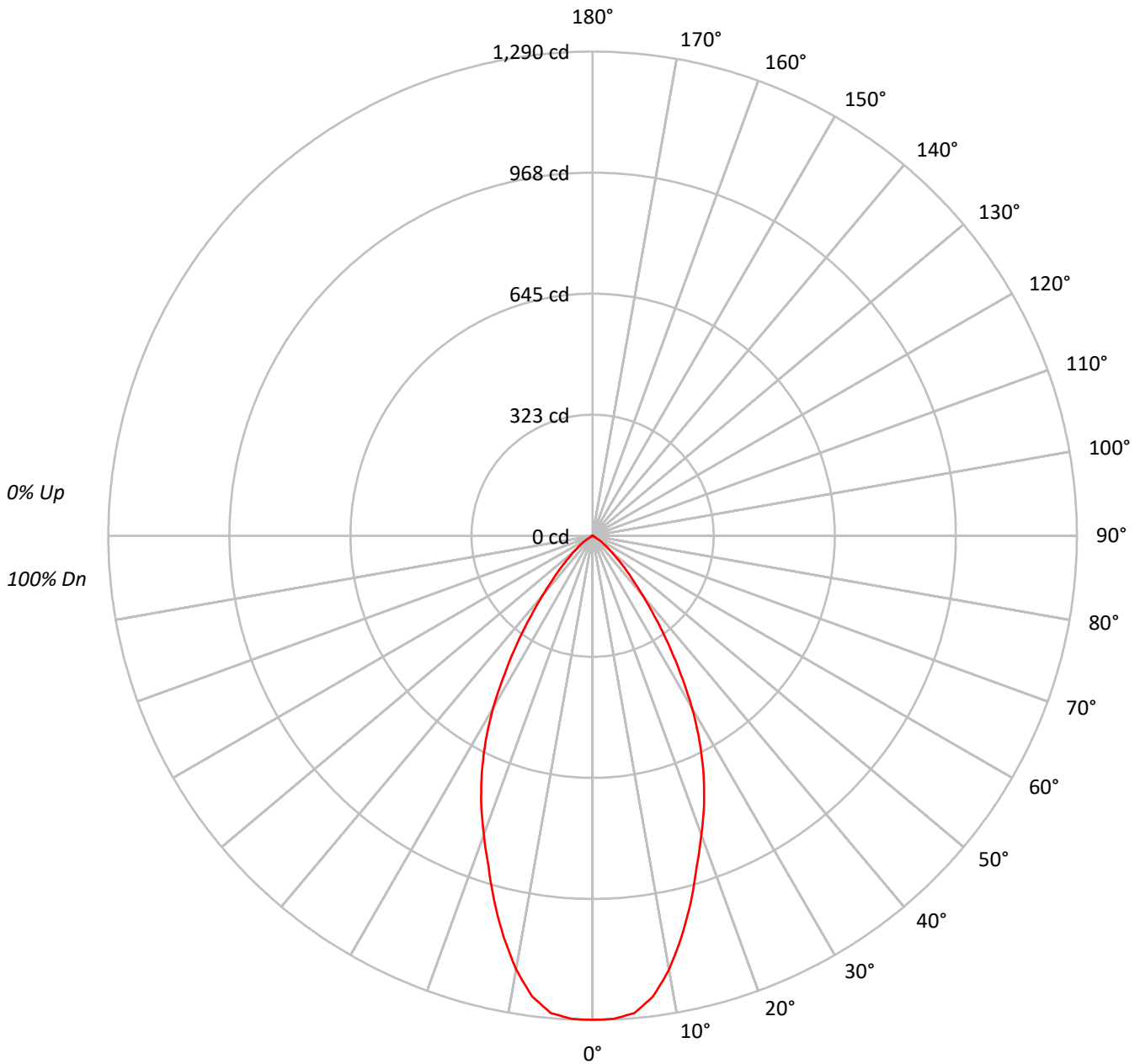
Lumens per Lamp: N/A  
Luminaire Lumens: 1064.9 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
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: LSSQ2B15WFL559050D010 2LBDL\*MW

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B15WFL559050D010 2LBDL\*MW

**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	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°	499521
5°	496336
10°	461445
15°	405100
20°	349179
25°	298617
30°	236963
35°	165171
40°	104517
45°	63763
50°	37723
55°	20665
60°	4493
65°	4033
70°	3284
75°	4340
80°	3346
85°	6666



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B15WFL559050D010 2LBDL\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.5	11.1
10°-20°	281.3	26.4
20°-30°	317.4	29.8
30°-40°	219.6	20.6
40°-50°	93.6	8.8
50°-60°	27.1	2.5
60°-70°	4.0	0.4
70°-80°	2.5	0.2
80°-90°	1.0	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°	717.2	67.3
0°-40°	936.8	88.0
0°-60°	1057.4	99.3
0°-90°	1064.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1290	
5°	1276	118
15°	1010	281
25°	699	317
35°	349	220
45°	116	94
55°	31	27
65°	4	4
75°	3	3
85°	2	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B15WFL559050D010 2LBDL\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1289.6
2.5°	1288.2
5°	1276.5
7.5°	1237.2
10°	1173.2
12.5°	1094.6
15°	1010.2
17.5°	922.8
20°	847.1
22.5°	775.8
25°	698.7
27.5°	617.2
30°	529.8
32.5°	435.2
35°	349.3
37.5°	270.7
40°	206.7
42.5°	155.7
45°	116.4
47.5°	84.4
50°	62.6
52.5°	45.1
55°	30.6
57.5°	13.1
60°	5.8
62.5°	4.4
65°	4.4
67.5°	2.9
70°	2.9
72.5°	2.9
75°	2.9
77.5°	1.5
80°	1.5
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)