

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: **LSSQ2B10WFL559024D010 2LBD\**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: LSSQ2B10WFL559024D010 2LBD\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
SPUN ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

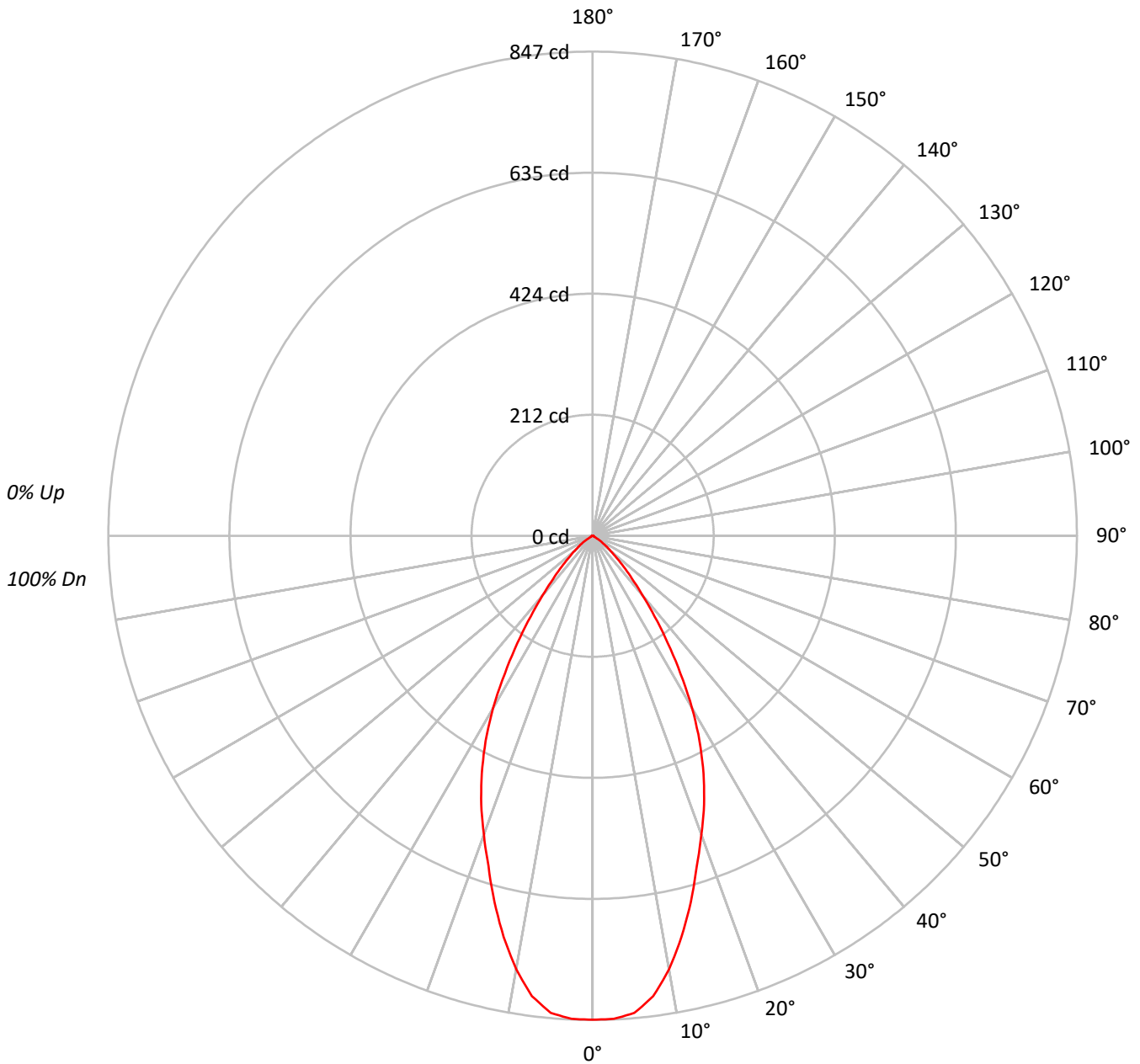
Lumens per Lamp: N/A  
Luminaire Lumens: 699.1 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P#  
CATALOG NUMBER: LSSQ2B10WFL559024D010 2LBD\**MW*

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B10WFL559024D010 2LBD\*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	0
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°	327927
5°	325836
10°	302936
15°	265950
20°	229227
25°	196043
30°	155560
35°	108427
40°	68616
45°	41851
50°	24767
55°	13574
60°	2944
65°	2658
70°	2152
75°	2844
80°	2231
85°	4444



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B10WFL559024D010 2LBD\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.8	11.1
10°-20°	184.7	26.4
20°-30°	208.4	29.8
30°-40°	144.1	20.6
40°-50°	61.4	8.8
50°-60°	17.8	2.5
60°-70°	2.6	0.4
70°-80°	1.6	0.2
80°-90°	0.7	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°	470.8	67.3
0°-40°	615.0	88.0
0°-60°	694.2	99.3
0°-90°	699.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	699.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	847	
5°	838	78
15°	663	185
25°	459	208
35°	229	144
45°	76	61
55°	20	18
65°	3	3
75°	2	2
85°	1	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LSSQ2B10WFL559024D010 2LBD\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	846.6
2.5°	845.7
5°	838.0
7.5°	812.2
10°	770.2
12.5°	718.6
15°	663.2
17.5°	605.8
20°	556.1
22.5°	509.3
25°	458.7
27.5°	405.2
30°	347.8
32.5°	285.7
35°	229.3
37.5°	177.7
40°	135.7
42.5°	102.2
45°	76.4
47.5°	55.4
50°	41.1
52.5°	29.6
55°	20.1
57.5°	8.6
60°	3.8
62.5°	2.9
65°	2.9
67.5°	1.9
70°	1.9
72.5°	1.9
75°	1.9
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)