

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: P225354

Luminaire Tested: **LSR2B10FL409035D010 2LBDC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225354  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B10FL409035D010 2LBDC\*MW  
Description: 1000 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 748.5 lumens  
Efficiency: N/A  
Efficacy: 72.7 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

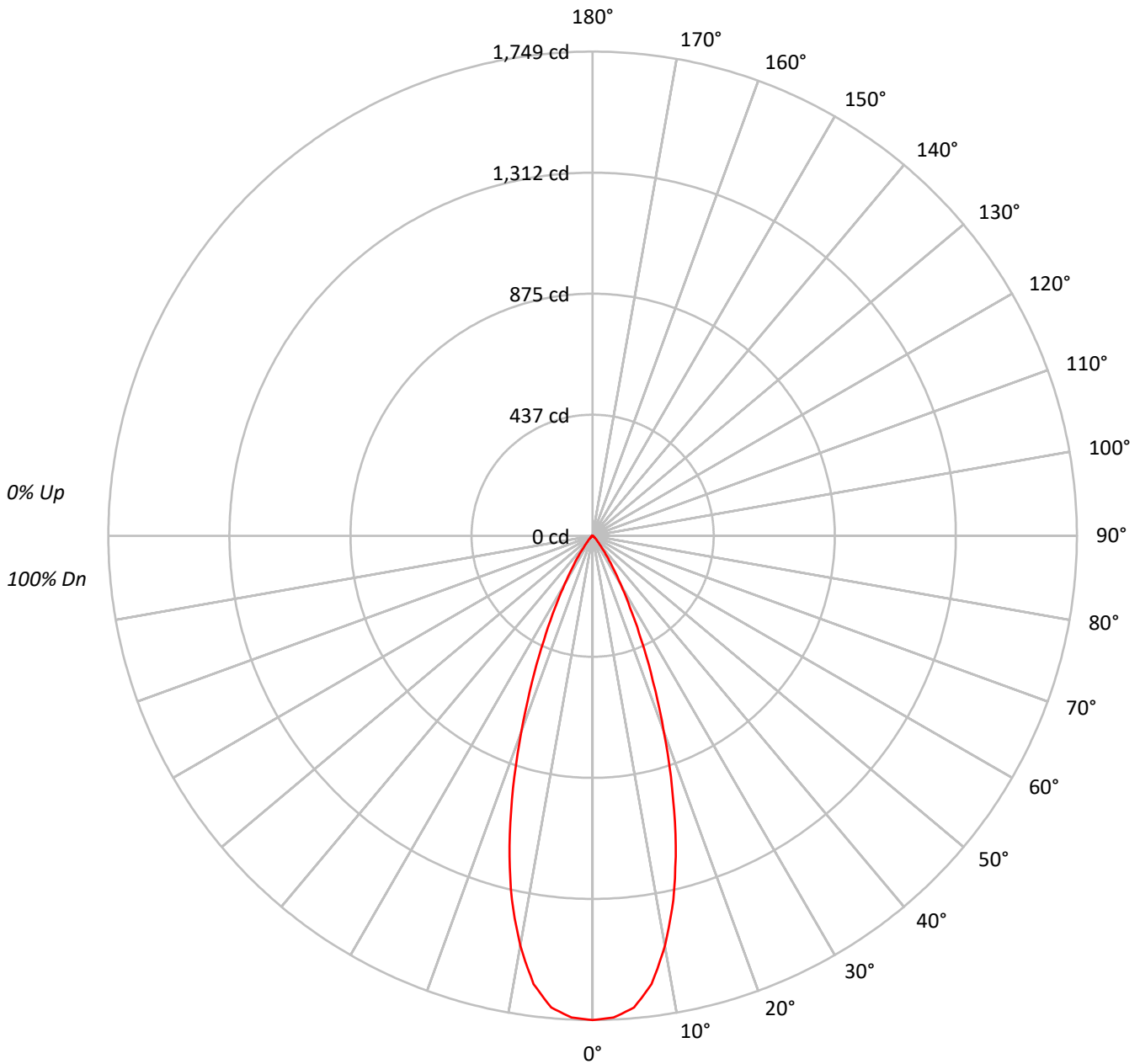
Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P225354

CATALOG NUMBER: LSR2B10FL409035D010 2LBDC\*MW

### Luminous Intensity Polar Plot





TEST NUMBER: P225354

CATALOG NUMBER: LSR2B10FL409035D010 2LBDC\*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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86	86	86	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79	79	79	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75	75	75	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72	72	72	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64	64	64	64

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

	0°
0°	677623
5°	665281
10°	591398
15°	465132
20°	309484
25°	177666
30°	89767
35°	42227
40°	16990
45°	8436
50°	4640
55°	3242
60°	2944
65°	1741
70°	2152
75°	1497
80°	2231
85°	0



TEST NUMBER: P225354

CATALOG NUMBER: LSR2B10FL409035D010 2LBDC\*MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.7	20.9
10°-20°	314.2	42.0
20°-30°	195.5	26.1
30°-40°	60.1	8.0
40°-50°	13.2	1.8
50°-60°	4.7	0.6
60°-70°	2.4	0.3
70°-80°	1.4	0.2
80°-90°	0.4	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°	666.3	89.0
0°-40°	726.4	97.1
0°-60°	744.3	99.4
0°-90°	748.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	748.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1749	
5°	1711	157
15°	1160	314
25°	416	195
35°	89	60
45°	15	13
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P225354

CATALOG NUMBER: LSR2B10FL409035D010 2LBDC\*MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1749.4
2.5°	1741.7
5°	1711.0
7.5°	1633.2
10°	1503.6
12.5°	1348.1
15°	1159.9
17.5°	954.4
20°	750.8
22.5°	569.4
25°	415.7
27.5°	292.8
30°	200.7
32.5°	135.4
35°	89.3
37.5°	53.8
40°	33.6
42.5°	23.0
45°	15.4
47.5°	10.6
50°	7.7
52.5°	6.7
55°	4.8
57.5°	3.8
60°	3.8
62.5°	2.9
65°	1.9
67.5°	1.9
70°	1.9
72.5°	1.9
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)