

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: P224880

Luminaire Tested: **LSR2B15FL409727D010 2LBD*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14834)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B15FL409727D010 2LBD*B
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 942.8 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

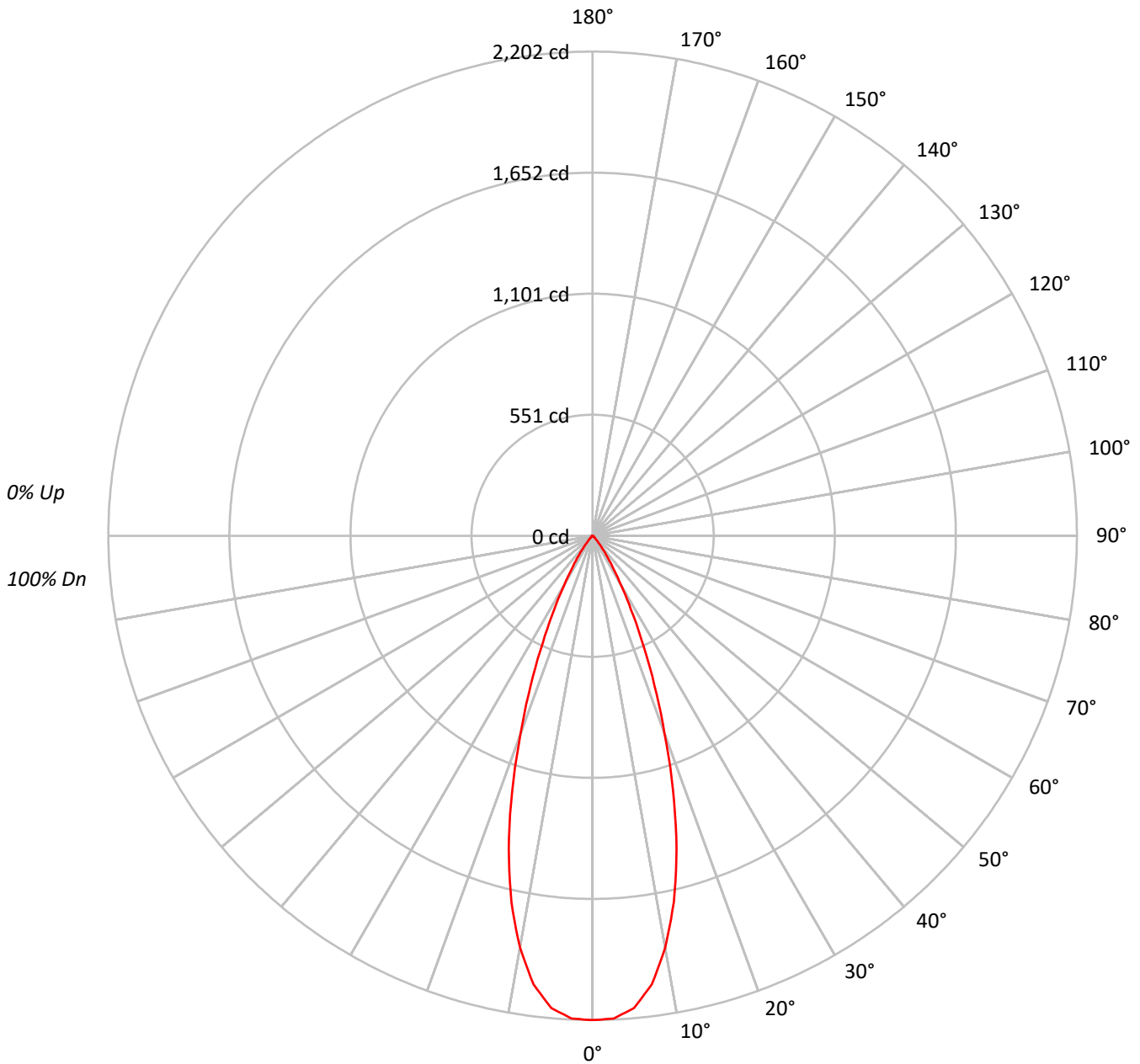
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224880

CATALOG NUMBER: LSR2B15FL409727D010 2LBD*B

Luminous Intensity Polar Plot





TEST NUMBER: P224880

CATALOG NUMBER: LSR2B15FL409727D010 2LBD*B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																			
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	96	94	92	91																			
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87																			
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83																			
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79																			
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76																			
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72																			
8	87	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69																			
9	84	77	72	69	83	76	72	68	75	71	68	74	71	68	74	70	68	67																			
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	853052
5°	838191
10°	747743
15°	591049
20°	394109
25°	228653
30°	114411
35°	53812
40°	21035
45°	9367
50°	4399
55°	2499
60°	930
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224880

CATALOG NUMBER: LSR2B15FL409727D010 2LBD*B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.6	21.0
10°-20°	398.9	42.3
20°-30°	250.9	26.6
30°-40°	76.7	8.1
40°-50°	15.0	1.6
50°-60°	3.4	0.4
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°	847.5	89.9
0°-40°	924.2	98.0
0°-60°	942.6	100.0
0°-90°	942.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	942.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2202	
5°	2156	198
15°	1474	399
25°	535	251
35°	114	77
45°	17	15
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224880

CATALOG NUMBER: LSR2B15FL409727D010 2LBD*B

CANDELA DISTRIBUTION (FULL):

	0°
0°	2202.3
2.5°	2197.4
5°	2155.7
7.5°	2057.8
10°	1901.1
12.5°	1705.3
15°	1473.9
17.5°	1216.8
20°	956.1
22.5°	733.3
25°	535.0
27.5°	377.0
30°	255.8
32.5°	172.6
35°	113.8
37.5°	69.8
40°	41.6
42.5°	26.9
45°	17.1
47.5°	11.0
50°	7.3
52.5°	4.9
55°	3.7
57.5°	2.4
60°	1.2
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)