

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: P225357

Luminaire Tested: **LSR2B15FL408035D010 2LBDC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225357
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: LSR2B15FL408035D010 2LBDC*MW
Description: 1500 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: 1215.8 lumens
Efficiency: N/A
Efficacy: 85.0 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

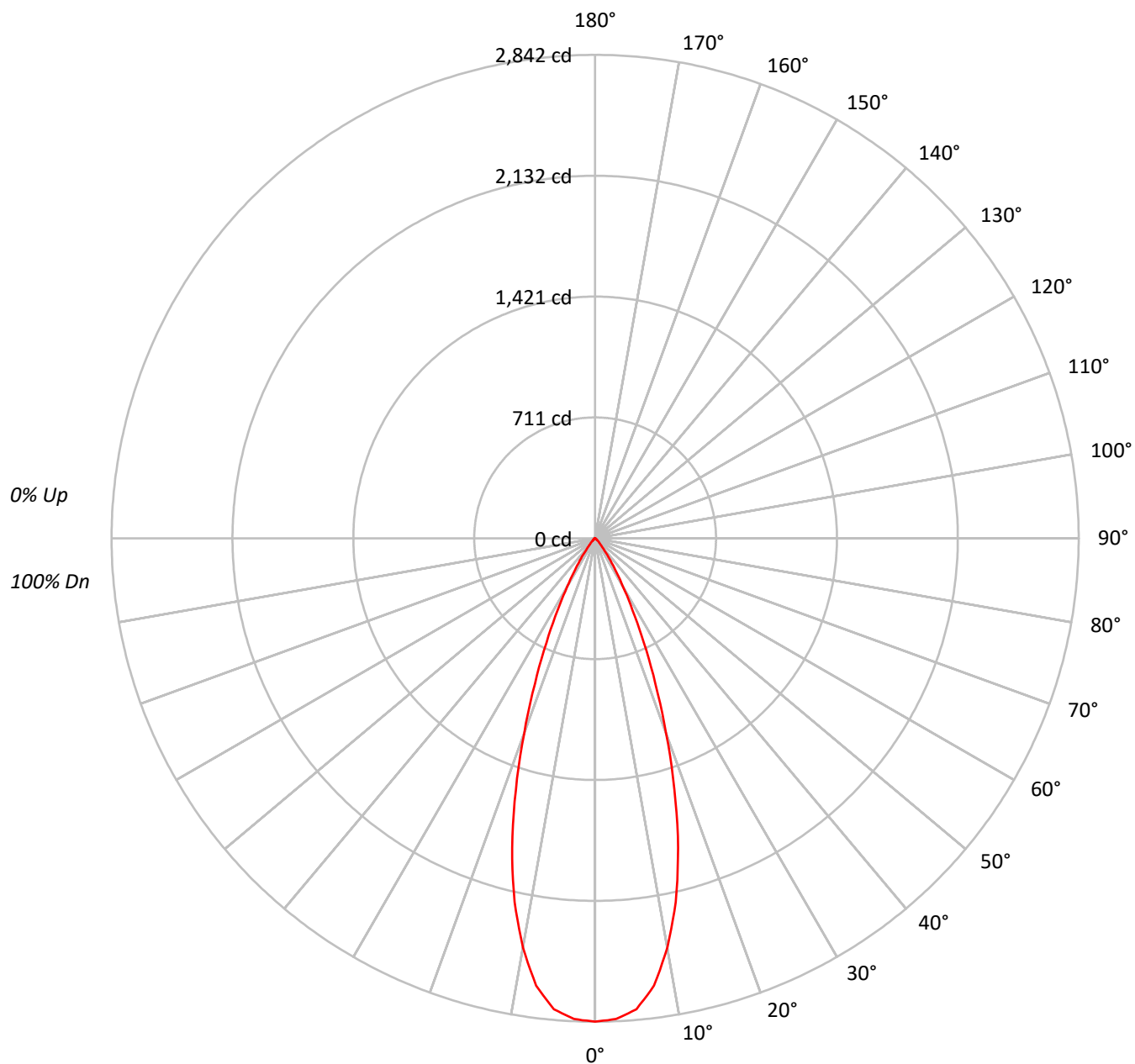
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225357

CATALOG NUMBER: LSR2B15FL408035D010 2LBDC*MW

Luminous Intensity Polar Plot





TEST NUMBER: P225357

CATALOG NUMBER: LSR2B15FL408035D010 2LBDC*MW

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108	112	110	108	106		106	104	103			102	101	100			99
2	110	106	102	99	108	104	101	98		101	98	96			98	96	94			95
3	105	100	96	93	104	99	95	92		96	93	90			94	91	89			92
4	101	95	90	87	100	94	90	86		92	88	85			90	87	85			88
5	98	91	86	82	96	90	85	82		88	84	81			86	83	80			85
6	94	86	82	78	93	86	81	78		84	80	77			83	79	77			82
7	90	83	78	74	89	82	77	74		81	77	74			80	76	73			79
8	87	79	74	71	86	79	74	71		78	74	71			77	73	70			76
9	84	76	71	68	83	76	71	68		75	71	68			74	70	67			73
10	81	73	68	65	80	73	68	65		72	68	65			71	68	65			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1100682
5°	1080624
10°	960609
15°	755503
20°	502725
25°	288616
30°	145810
35°	68565
40°	27608
45°	13695
50°	7533
55°	5267
60°	4803
65°	2841
70°	3511
75°	2395
80°	3569
85°	0



TEST NUMBER: P225357

CATALOG NUMBER: LSR2B15FL408035D010 2LBDC*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.5	20.9
10°-20°	510.3	42.0
20°-30°	317.5	26.1
30°-40°	97.6	8.0
40°-50°	21.5	1.8
50°-60°	7.6	0.6
60°-70°	3.8	0.3
70°-80°	2.3	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°	1082.4	89.0
0°-40°	1180.0	97.1
0°-60°	1209.0	99.4
0°-90°	1215.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1215.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2842	
5°	2779	255
15°	1884	510
25°	675	317
35°	145	98
45°	25	21
55°	8	8
65°	3	4
75°	2	2
85°	0	1
90°	0	



TEST NUMBER: P225357

CATALOG NUMBER: LSR2B15FL408035D010 2LBDC*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2841.6
2.5°	2829.1
5°	2779.2
7.5°	2652.9
10°	2442.3
12.5°	2189.7
15°	1884.0
17.5°	1550.2
20°	1219.6
22.5°	924.8
25°	675.3
27.5°	475.7
30°	326.0
32.5°	219.9
35°	145.0
37.5°	87.3
40°	54.6
42.5°	37.4
45°	25.0
47.5°	17.2
50°	12.5
52.5°	10.9
55°	7.8
57.5°	6.2
60°	6.2
62.5°	4.7
65°	3.1
67.5°	3.1
70°	3.1
72.5°	3.1
75°	1.6
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)