

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: P224900

Luminaire Tested: **LSR2B15FL408030D010 2LBD*B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224900
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: LSR2B15FL408030D010 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: 1355.9 lumens
Efficiency: N/A
Efficacy: 94.8 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

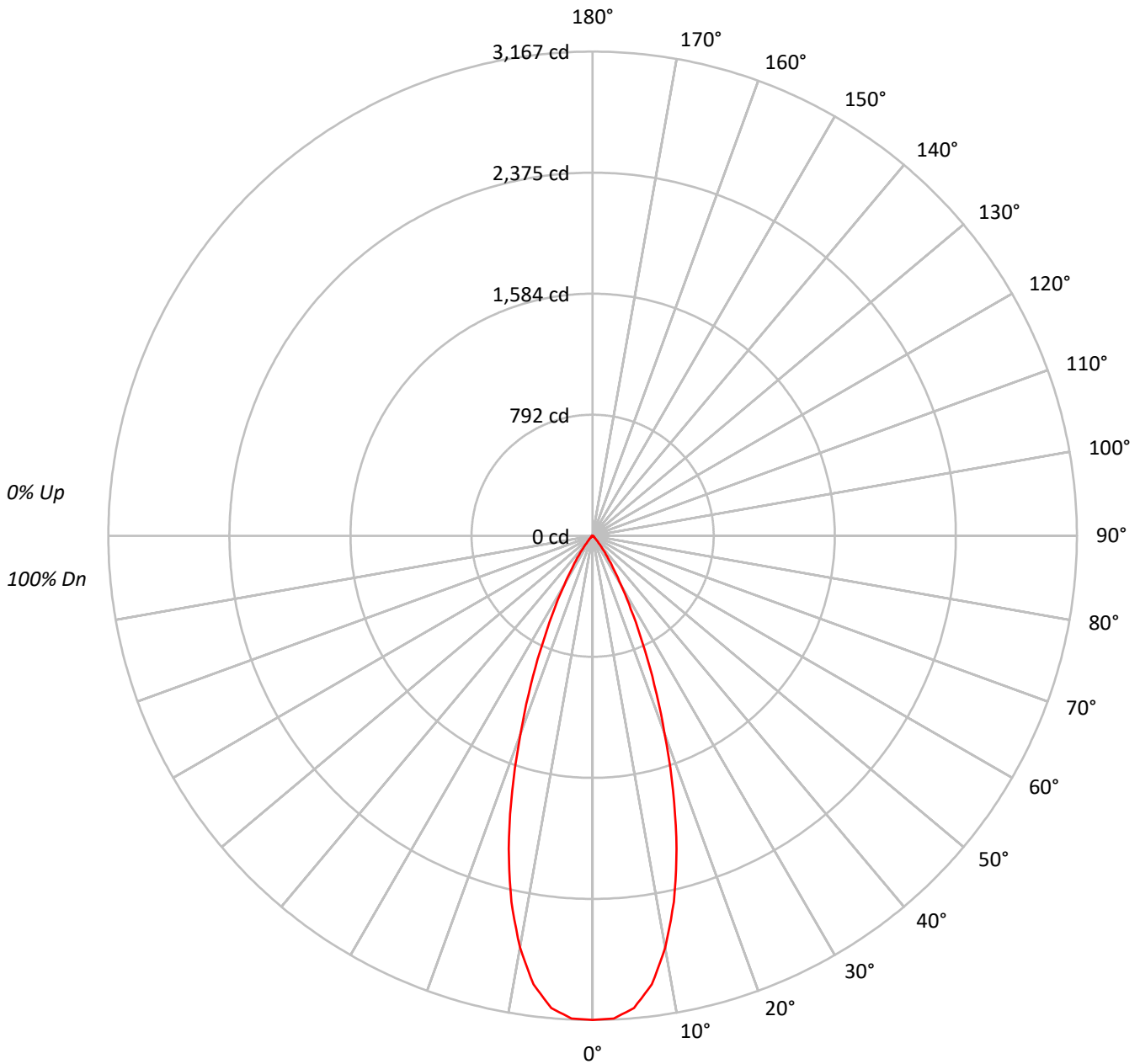
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224900

CATALOG NUMBER: LSR2B15FL408030D010 2LBD*B

Luminous Intensity Polar Plot





TEST NUMBER: P224900

CATALOG NUMBER: LSR2B15FL408030D010 2LBD*B

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	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	65	72	68	65	71	68	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1226802
5°	1205476
10°	1075380
15°	850021
20°	566782
25°	328833
30°	164595
35°	77408
40°	30288
45°	13476
50°	6388
55°	3579
60°	1394
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224900

CATALOG NUMBER: LSR2B15FL408030D010 2LBD*B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.2	21.0
10°-20°	573.8	42.3
20°-30°	360.9	26.6
30°-40°	110.3	8.1
40°-50°	21.6	1.6
50°-60°	4.9	0.4
60°-70°	0.2	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°	1218.8	89.9
0°-40°	1329.2	98.0
0°-60°	1355.7	100.0
0°-90°	1355.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1355.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3167	
5°	3100	284
15°	2120	574
25°	769	361
35°	164	110
45°	25	22
55°	5	5
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224900

CATALOG NUMBER: LSR2B15FL408030D010 2LBD*B

CANDELA DISTRIBUTION (FULL):

	0°
0°	3167.2
2.5°	3160.2
5°	3100.3
7.5°	2959.5
10°	2734.1
12.5°	2452.4
15°	2119.7
17.5°	1750.0
20°	1375.0
22.5°	1054.6
25°	769.4
27.5°	542.2
30°	368.0
32.5°	248.2
35°	163.7
37.5°	100.4
40°	59.9
42.5°	38.7
45°	24.6
47.5°	15.8
50°	10.6
52.5°	7.0
55°	5.3
57.5°	3.5
60°	1.8
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)