

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: P224976

Luminaire Tested: **LSSQ2B15FL408050D010 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (152)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQ2B15FL408050D010 2LBDL*LI
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1361.2 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

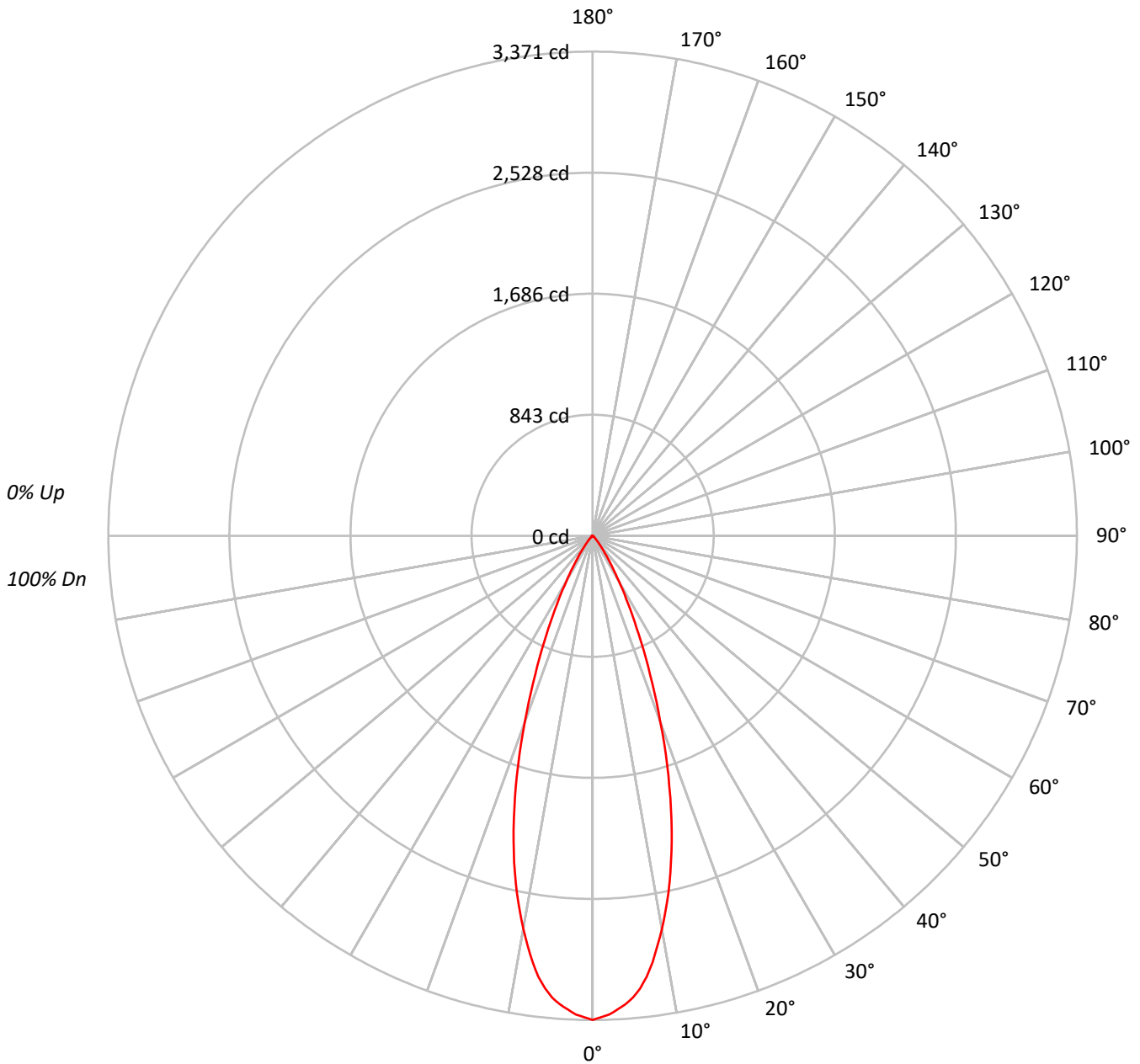
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224976

CATALOG NUMBER: LSSQ2B15FL408050D010 2LBDL*LI

Luminous Intensity Polar Plot





TEST NUMBER: P224976

CATALOG NUMBER: LSSQ2B15FL408050D010 2LBDL*LI

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1305743
5°	1254779
10°	1092293
15°	852948
20°	567235
25°	324816
30°	161464
35°	74239
40°	29782
45°	13640
50°	6327
55°	3512
60°	2014
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224976

CATALOG NUMBER: LSSQ2B15FL408050D010 2LBDL*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	21.6
10°-20°	576.8	42.4
20°-30°	356.9	26.2
30°-40°	106.8	7.8
40°-50°	21.4	1.6
50°-60°	5.2	0.4
60°-70°	0.3	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°	1227.4	90.2
0°-40°	1334.3	98.0
0°-60°	1360.9	100.0
0°-90°	1361.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3371	
5°	3227	294
15°	2127	577
25°	760	357
35°	157	107
45°	25	21
55°	5	5
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224976

CATALOG NUMBER: LSSQ2B15FL408050D010 2LBDL*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3371.0
1°	3352.7
2°	3335.7
3°	3301.7
4°	3270.3
5°	3227.1
6°	3168.2
7°	3093.7
8°	2998.2
9°	2889.6
10°	2777.1
11°	2660.7
12°	2536.4
13°	2406.9
14°	2268.3
15°	2127.0
17.5°	1754.2
20°	1376.1
22.5°	1041.3
25°	760.0
27.5°	533.7
30°	361.0
32.5°	238.1
35°	157.0
37.5°	98.1
40°	58.9
42.5°	37.9
45°	24.9
47.5°	15.7
50°	10.5
52.5°	7.8
55°	5.2
57.5°	3.9
60°	2.6
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



TEST NUMBER: P224976

CATALOG NUMBER: LSSQ2B15FL408050D010 2LBDL*LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)