

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: P224983

Luminaire Tested: **LSSQWM2B15FL409727D010 2LBDL*LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224983
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: LSSQWM2B15FL409727D010 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: 905.1 lumens
Efficiency: N/A
Efficacy: 63.3 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

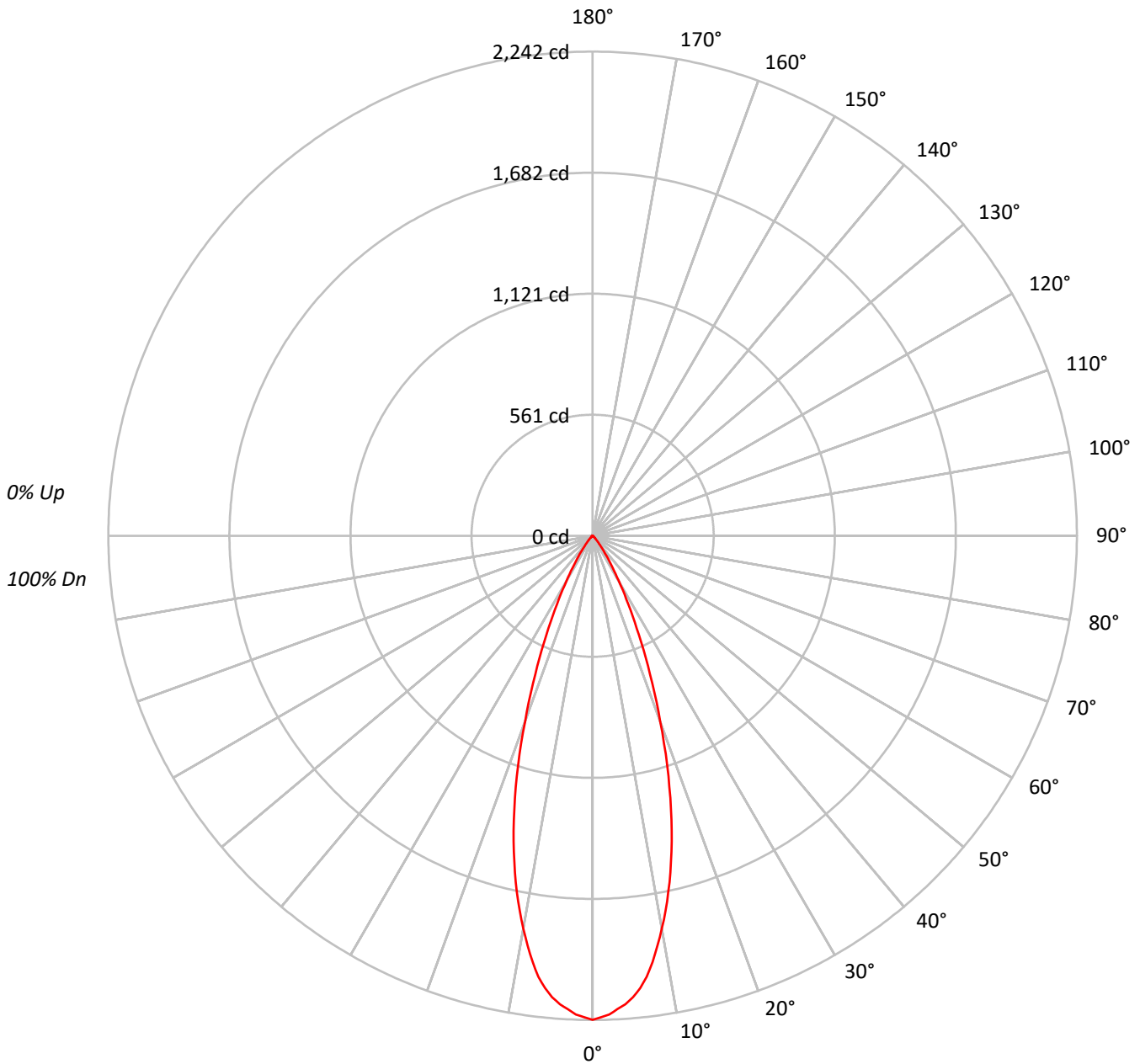
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P224983

CATALOG NUMBER: LSSQWM2B15FL409727D010 2LBDL*LI

Luminous Intensity Polar Plot





TEST NUMBER: P224983

CATALOG NUMBER: LSSQWM2B15FL409727D010 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°	868236
5°	834342
10°	726307
15°	567149
20°	377168
25°	216002
30°	107389
35°	49367
40°	19771
45°	9039
50°	4218
55°	2364
60°	1317
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P224983

CATALOG NUMBER: LSSQWM2B15FL409727D010 2LBDL*LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.3	21.6
10°-20°	383.5	42.4
20°-30°	237.4	26.2
30°-40°	71.0	7.8
40°-50°	14.2	1.6
50°-60°	3.5	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°	816.2	90.2
0°-40°	887.2	98.0
0°-60°	904.9	100.0
0°-90°	905.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	905.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2242	
5°	2146	195
15°	1414	384
25°	505	237
35°	104	71
45°	16	14
55°	4	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P224983

CATALOG NUMBER: LSSQWM2B15FL409727D010 2LBDL*LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2241.5
1°	2229.3
2°	2218.0
3°	2195.4
4°	2174.5
5°	2145.8
6°	2106.7
7°	2057.1
8°	1993.6
9°	1921.4
10°	1846.6
11°	1769.2
12°	1686.5
13°	1600.4
14°	1508.2
15°	1414.3
17.5°	1166.4
20°	915.0
22.5°	692.4
25°	505.4
27.5°	354.9
30°	240.1
32.5°	158.3
35°	104.4
37.5°	65.2
40°	39.1
42.5°	25.2
45°	16.5
47.5°	10.4
50°	7.0
52.5°	5.2
55°	3.5
57.5°	2.6
60°	1.7
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: P224983

CATALOG NUMBER: LSSQWM2B15FL409727D010 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)