

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: P225517

Luminaire Tested: **LSSQWM2B15FL408035D010 2LBDL*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSSQWM2B15FL408035D010 2LBDL*H
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1305.6 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

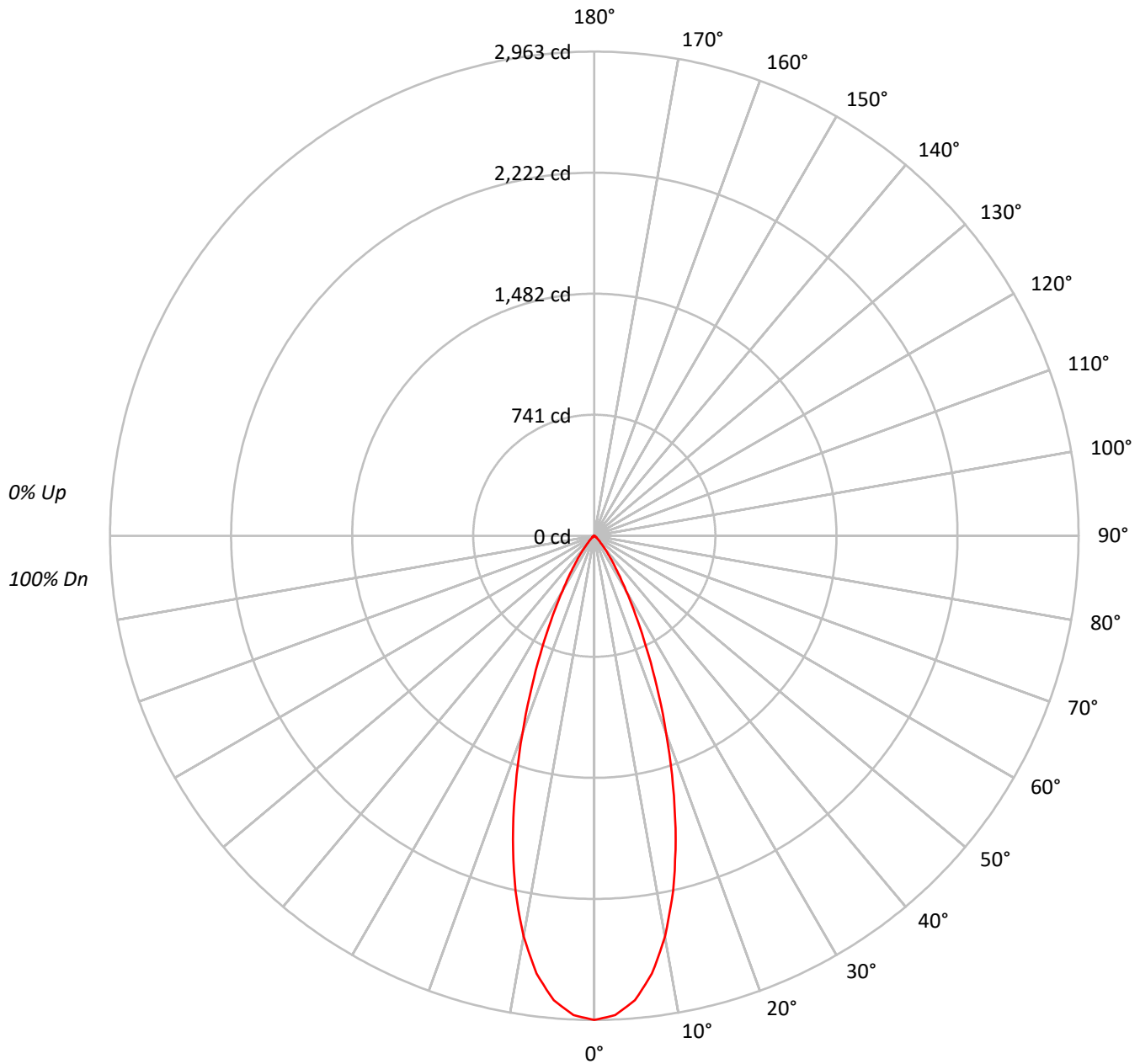
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P225517

CATALOG NUMBER: LSSQWM2B15FL408035D010 2LBDL*H

Luminous Intensity Polar Plot





TEST NUMBER: P225517

CATALOG NUMBER: LSSQWM2B15FL408035D010 2LBDL*H

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	105	102	99		108	104	101	98		101	98	96			98	96	94			95
3	105	100	96	92		103	98	95	91		96	93	90			94	91	89			91
4	101	95	90	86		99	94	89	86		91	88	85			90	86	84			88
5	97	90	85	81		96	89	84	81		87	83	80			86	82	80			84
6	93	86	81	77		92	85	80	77		84	79	76			82	79	76			81
7	90	82	77	73		88	81	76	73		80	76	73			79	75	72			78
8	86	78	73	70		85	78	73	70		77	72	69			76	72	69			75
9	83	75	70	67		82	75	70	67		74	69	66			73	69	66			72
10	80	72	67	64		79	72	67	64		71	67	64			70	66	64			70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1147667
5°	1109475
10°	978938
15°	771223
20°	529972
25°	320029
30°	173495
35°	89182
40°	43587
45°	20652
50°	10847
55°	7293
60°	4183
65°	1650
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P225517

CATALOG NUMBER: LSSQWM2B15FL408035D010 2LBDL*H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.7	20.0
10°-20°	523.6	40.1
20°-30°	349.8	26.8
30°-40°	126.7	9.7
40°-50°	32.7	2.5
50°-60°	9.8	0.7
60°-70°	2.4	0.2
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°	1134.0	86.9
0°-40°	1260.7	96.6
0°-60°	1303.2	99.8
0°-90°	1305.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1305.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2963	
5°	2853	261
15°	1923	524
25°	749	350
35°	189	127
45°	38	33
55°	11	10
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P225517

CATALOG NUMBER: LSSQWM2B15FL408035D010 2LBDL*H

CANDELA DISTRIBUTION (FULL):

0°	
0°	2962.9
2.5°	2936.0
5°	2853.4
7.5°	2702.6
10°	2488.9
12.5°	2226.7
15°	1923.2
17.5°	1600.0
20°	1285.7
22.5°	996.6
25°	748.8
27.5°	545.9
30°	387.9
32.5°	272.9
35°	188.6
37.5°	131.1
40°	86.2
42.5°	55.7
45°	37.7
47.5°	26.9
50°	18.0
52.5°	14.4
55°	10.8
57.5°	7.2
60°	5.4
62.5°	3.6
65°	1.8
67.5°	1.8
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)