

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: P224777

Luminaire Tested: **LSSQWM2B15FL409035D010 2LBDL*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224777
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: LSSQWM2B15FL409035D010 2LBDL*MW
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1079.4 lumens
Efficiency: N/A
Efficacy: 75.5 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

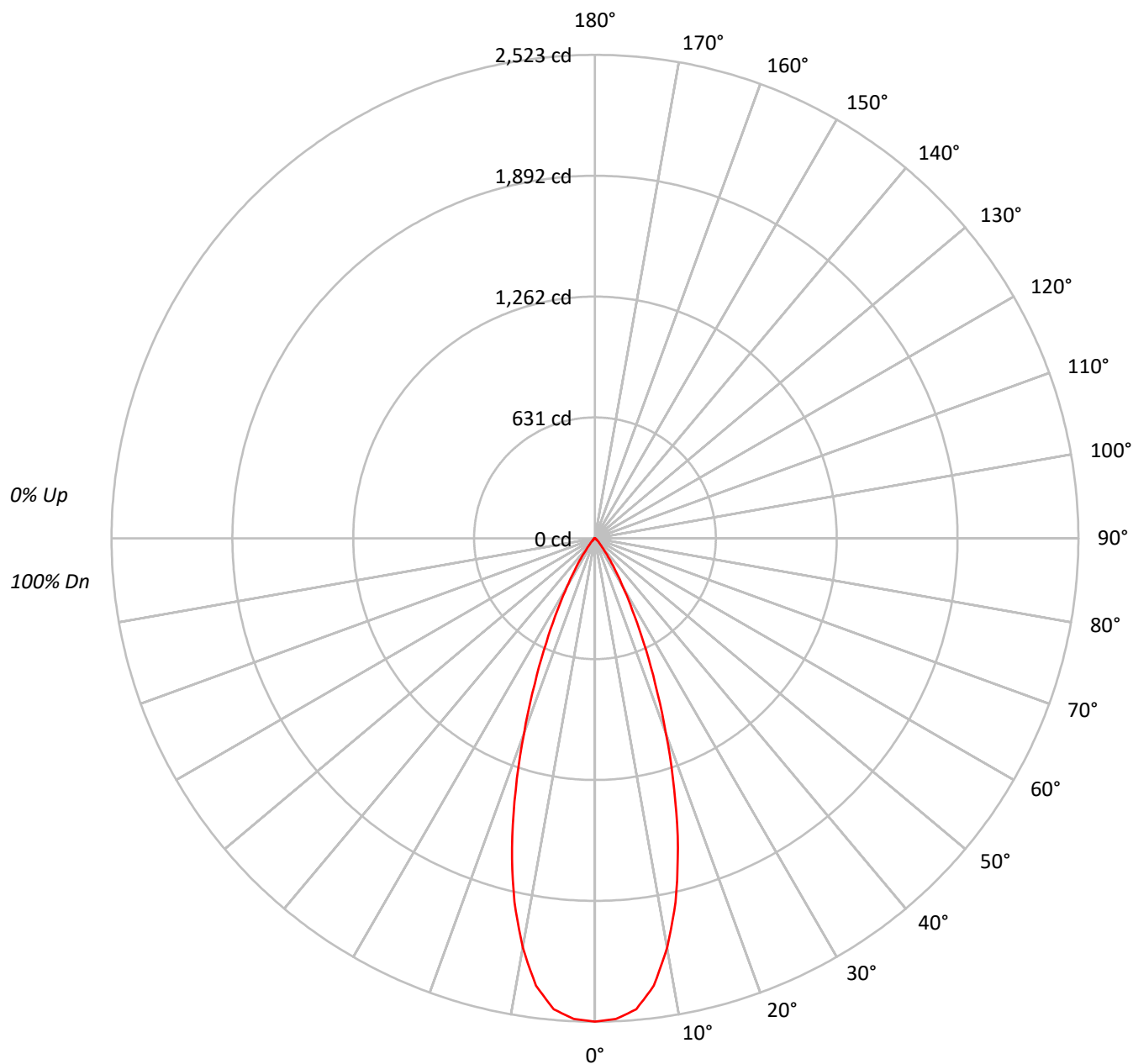
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	977119
5°	959310
10°	852760
15°	670689
20°	446294
25°	256220
30°	129440
35°	60905
40°	24524
45°	12161
50°	6689
55°	4660
60°	4261
65°	2566
70°	3171
75°	2095
80°	3123
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	20.9
10°-20°	453.0	42.0
20°-30°	281.9	26.1
30°-40°	86.7	8.0
40°-50°	19.0	1.8
50°-60°	6.8	0.6
60°-70°	3.4	0.3
70°-80°	2.0	0.2
80°-90°	0.6	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°	960.8	89.0
0°-40°	1047.5	97.0
0°-60°	1073.3	99.4
0°-90°	1079.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1079.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2523	
5°	2467	226
15°	1672	453
25°	600	282
35°	129	87
45°	22	19
55°	7	7
65°	3	3
75°	1	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2522.6
2.5°	2511.5
5°	2467.2
7.5°	2355.0
10°	2168.1
12.5°	1943.8
15°	1672.5
17.5°	1376.2
20°	1082.7
22.5°	821.0
25°	599.5
27.5°	422.3
30°	289.4
32.5°	195.2
35°	128.8
37.5°	77.5
40°	48.5
42.5°	33.2
45°	22.2
47.5°	15.2
50°	11.1
52.5°	9.7
55°	6.9
57.5°	5.5
60°	5.5
62.5°	4.2
65°	2.8
67.5°	2.8
70°	2.8
72.5°	2.8
75°	1.4
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)