

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: P225104

Luminaire Tested: **LSSQ2B15FL408040D010 2LBD\*WH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225104  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14829)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSSQ2B15FL408040D010 2LBD\*WH  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
SPUN ROUND TRIM WITH WHEAT HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1474.4 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.59  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

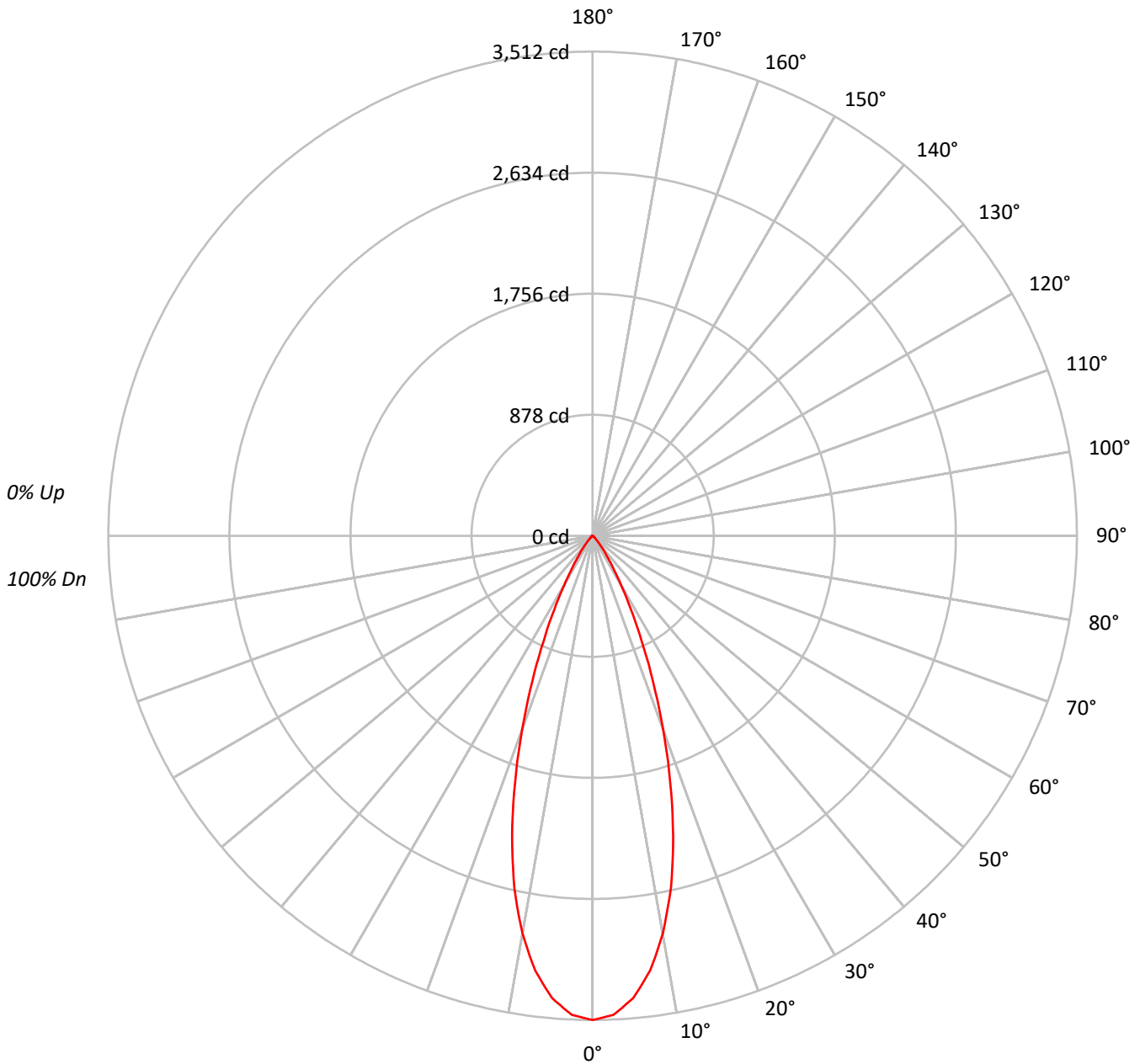
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			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	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87	87	87	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82	82	82	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	79	79	79
6	94	87	82	78	93	86	81	78	85	80	77	83	80	77	82	79	76	75	75	75	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72	72	72	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66	66	66	66
10	81	73	69	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64	64	64	64

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1360359
5°	1308904
10°	1152117
15°	904959
20°	615257
25°	359263
30°	182978
35°	86581
40°	37772
45°	16379
50°	7894
55°	5065
60°	2866
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	307.4	20.9
10°-20°	613.6	41.6
20°-30°	393.9	26.7
30°-40°	125.0	8.5
40°-50°	26.7	1.8
50°-60°	6.8	0.5
60°-70°	0.9	0.1
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°	1315.0	89.2
0°-40°	1440.0	97.7
0°-60°	1473.5	99.9
0°-90°	1474.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3512	
5°	3366	307
15°	2257	614
25°	841	394
35°	183	125
45°	30	27
55°	8	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3512.0
2.5°	3478.4
5°	3366.3
7.5°	3183.3
10°	2929.2
12.5°	2619.1
15°	2256.7
17.5°	1870.0
20°	1492.6
22.5°	1139.5
25°	840.6
27.5°	599.7
30°	409.1
32.5°	274.6
35°	183.1
37.5°	121.4
40°	74.7
42.5°	46.7
45°	29.9
47.5°	20.5
50°	13.1
52.5°	9.3
55°	7.5
57.5°	5.6
60°	3.7
62.5°	1.9
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



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— 0°-180°







(END OF REPORT)