

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: P224921

Luminaire Tested: **LSR2B15FL409035D010 2LBD*H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (156)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B15FL409035D010 2LBD*H
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
SPUN ROUND TRIM WITH HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1151.1 lumens
Efficiency: N/A
Efficacy: 80.5 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

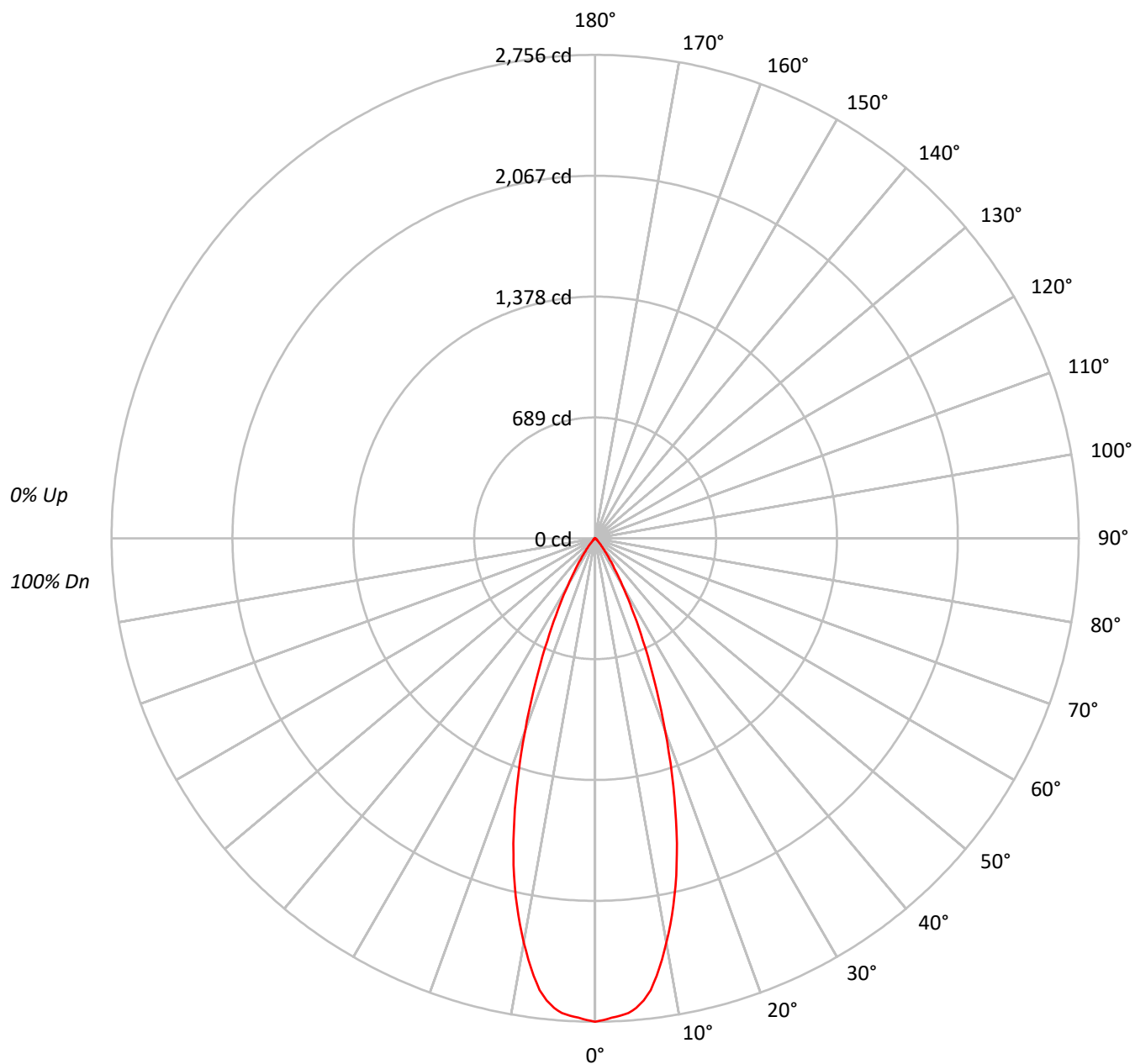
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	103	100		108	104	101	99		101	99	97		98	96	94		96	94	93
3	106	100	96	93		104	99	95	92		97	94	91		94	92	90		92	90	88
4	102	96	91	88		100	94	90	87		92	89	86		91	88	85		89	86	84
5	98	91	86	83		96	90	86	82		89	85	82		87	84	81		86	83	80
6	94	87	82	79		93	86	82	78		85	81	78		84	80	77		82	79	77
7	91	83	78	75		90	83	78	75		82	77	74		80	77	74		79	76	74
8	88	80	75	72		87	79	75	72		78	74	71		77	74	71		77	73	71
9	85	77	72	69		84	76	72	69		75	71	68		75	71	68		74	70	68
10	82	74	69	66		81	73	69	66		73	69	66		72	68	66		71	68	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1067680
5°	1045319
10°	920647
15°	722299
20°	479683
25°	275324
30°	138072
35°	63789
40°	25940
45°	11613
50°	6026
55°	3782
60°	1704
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.5	21.3
10°-20°	487.5	42.4
20°-30°	302.9	26.3
30°-40°	91.4	7.9
40°-50°	18.7	1.6
50°-60°	4.8	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°	1036.0	90.0
0°-40°	1127.4	97.9
0°-60°	1150.8	100.0
0°-90°	1151.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1151.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2756	
5°	2688	246
15°	1801	488
25°	644	303
35°	135	91
45°	21	19
55°	6	5
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2756.4
1°	2747.5
2°	2735.2
3°	2726.3
4°	2713.0
5°	2688.4
6°	2649.4
7°	2595.9
8°	2519.0
9°	2432.1
10°	2340.7
11°	2243.7
12°	2142.3
13°	2036.4
14°	1920.5
15°	1801.2
17.5°	1481.3
20°	1163.7
22.5°	882.8
25°	644.2
27.5°	454.8
30°	308.7
32.5°	202.9
35°	134.9
37.5°	83.6
40°	51.3
42.5°	33.4
45°	21.2
47.5°	13.4
50°	10.0
52.5°	6.7
55°	5.6
57.5°	3.3
60°	2.2
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)