

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: P223460

Luminaire Tested: **LSR2B15NFL258027D010 2LBDLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P223460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B15NFL258027D010 2LBDLC*MB
Description: 1500 Lumen, 2inch Portfolio LED Cylinder
NARROW FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1246.3 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

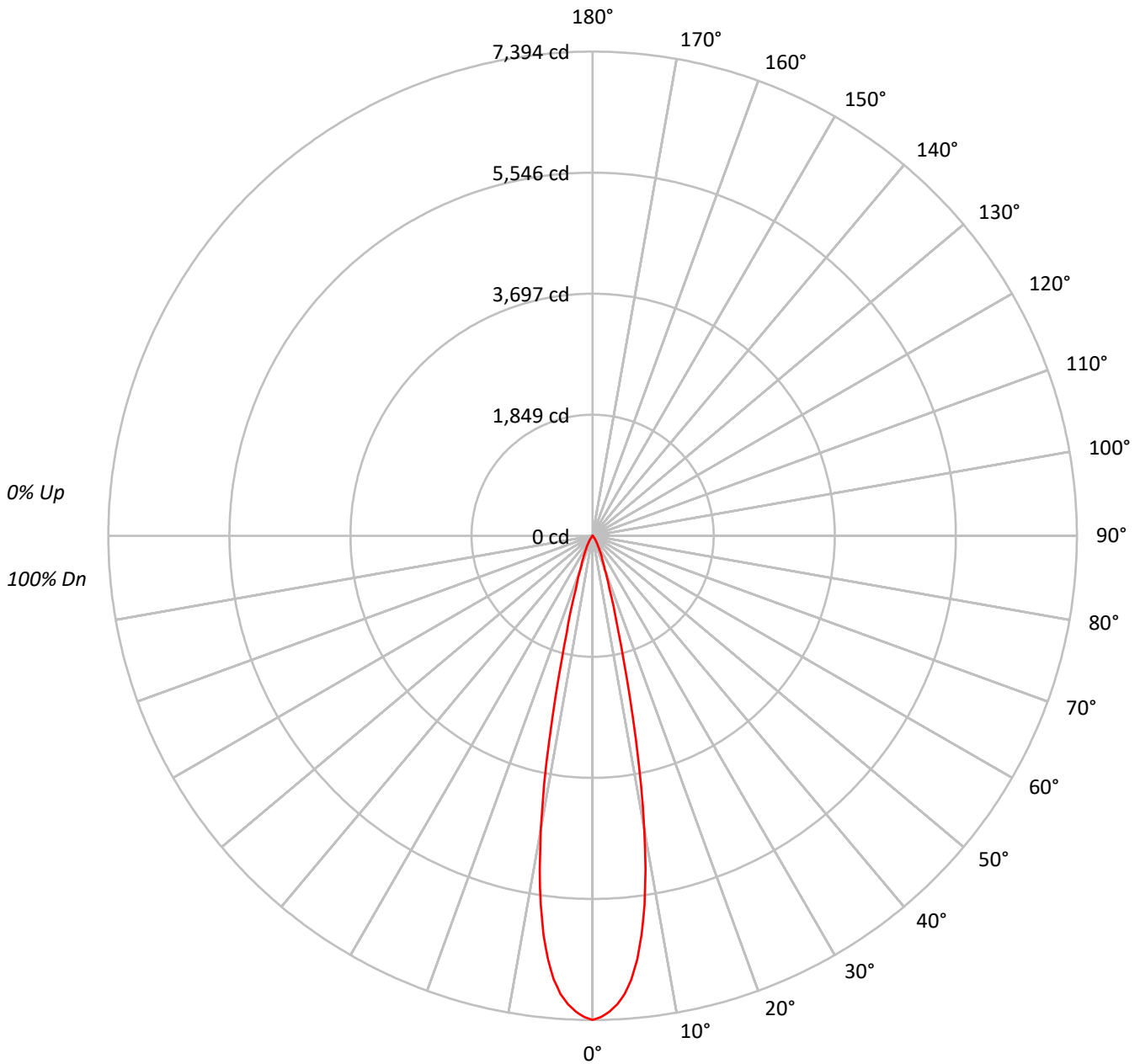
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									0
RW	70	50	30	10	70	50	30	10	50	30	10	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	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97									97																			
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95									95																			
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92									92																			
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90									90																			
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88									88																			
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86									86																			
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84									84																			
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82									82																			
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80									80																			
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79									79																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2863959
5°	2644364
10°	1789888
15°	608934
20°	223662
25°	118558
30°	60963
35°	28466
40°	9304
45°	4711
50°	2230
55°	810
60°	930
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.5	46.4
10°-20°	486.4	39.0
20°-30°	133.5	10.7
30°-40°	38.9	3.1
40°-50°	7.2	0.6
50°-60°	1.6	0.1
60°-70°	0.1	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°	1198.4	96.2
0°-40°	1237.3	99.3
0°-60°	1246.2	100.0
0°-90°	1246.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1246.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7394	
5°	6801	579
15°	1518	486
25°	277	133
35°	60	39
45°	9	7
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7393.8
1°	7350.9
2°	7274.8
3°	7165.5
4°	7015.7
5°	6800.9
6°	6507.5
7°	6140.4
8°	5692.4
9°	5163.3
10°	4550.7
11°	3879.2
12°	3180.7
13°	2514.1
14°	1945.7
15°	1518.5
17.5°	856.9
20°	542.6
22.5°	386.7
25°	277.4
27.5°	196.4
30°	136.3
32.5°	95.8
35°	60.2
37.5°	24.6
40°	18.4
42.5°	13.5
45°	8.6
47.5°	4.9
50°	3.7
52.5°	2.5
55°	1.2
57.5°	1.2
60°	1.2
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)