

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: P#

Luminaire Tested: **LSR2B15WFL558027D010 2LBDLC\*MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14810)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B15WFL558027D010 2LBDLC\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

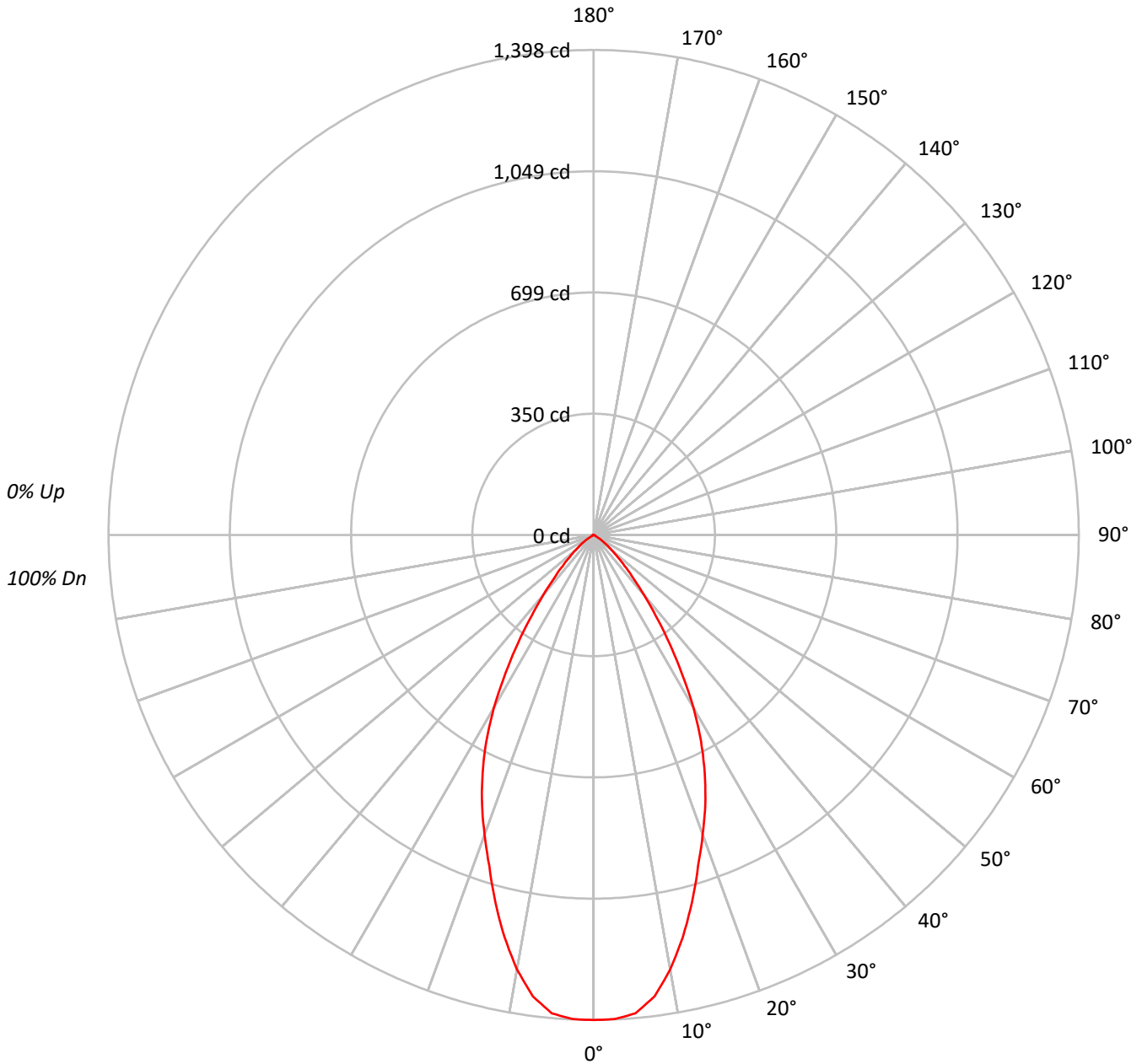
Lumens per Lamp: N/A  
Luminaire Lumens: 1154.7 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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																	
RC	80									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	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	100	100	100	100	100	100	100																
	1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93	93	93	93	93	93	93	93	93	93	93																
	2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86	86	86	86	86	86	86	86	86	86	86																
	3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80	80	80	80	80	80	80	80	80	80	80																
	4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74	74	74	74	74	74	74	74	74	74	74																
	5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69	69	69	69	69	69	69	69	69	69	69																
	6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64	64	64	64	64	64	64	64	64	64	64																
	7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60	60	60	60	60	60	60	60	60	60	60																
	8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56	56	56	56	56	56	56	56	56	56	56																
	9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53	53	53	53	53	53	53	53	53	53	53																
	10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49	49	49	49	49	49	49	49	49	49	49																

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

	0°
0°	541665
5°	538212
10°	500344
15°	439226
20°	378652
25°	323790
30°	256956
35°	179120
40°	113315
45°	69186
50°	40917
55°	22353
60°	4881
65°	4308
70°	3624
75°	4789
80°	3569
85°	7111



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.5	11.1
10°-20°	305.1	26.4
20°-30°	344.2	29.8
30°-40°	238.1	20.6
40°-50°	101.5	8.8
50°-60°	29.3	2.5
60°-70°	4.3	0.4
70°-80°	2.7	0.2
80°-90°	1.1	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°	777.7	67.3
0°-40°	1015.8	88.0
0°-60°	1146.6	99.3
0°-90°	1154.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1154.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1398	
5°	1384	128
15°	1095	305
25°	758	344
35°	379	238
45°	126	101
55°	33	29
65°	5	4
75°	3	3
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1398.4
2.5°	1396.8
5°	1384.2
7.5°	1341.6
10°	1272.1
12.5°	1186.9
15°	1095.3
17.5°	1000.6
20°	918.6
22.5°	841.2
25°	757.6
27.5°	669.2
30°	574.5
32.5°	471.9
35°	378.8
37.5°	293.6
40°	224.1
42.5°	168.9
45°	126.3
47.5°	91.5
50°	67.9
52.5°	48.9
55°	33.1
57.5°	14.2
60°	6.3
62.5°	4.7
65°	4.7
67.5°	3.2
70°	3.2
72.5°	3.2
75°	3.2
77.5°	1.6
80°	1.6
82.5°	1.6
85°	1.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)