

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 2LBDC\*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 2LBDC\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

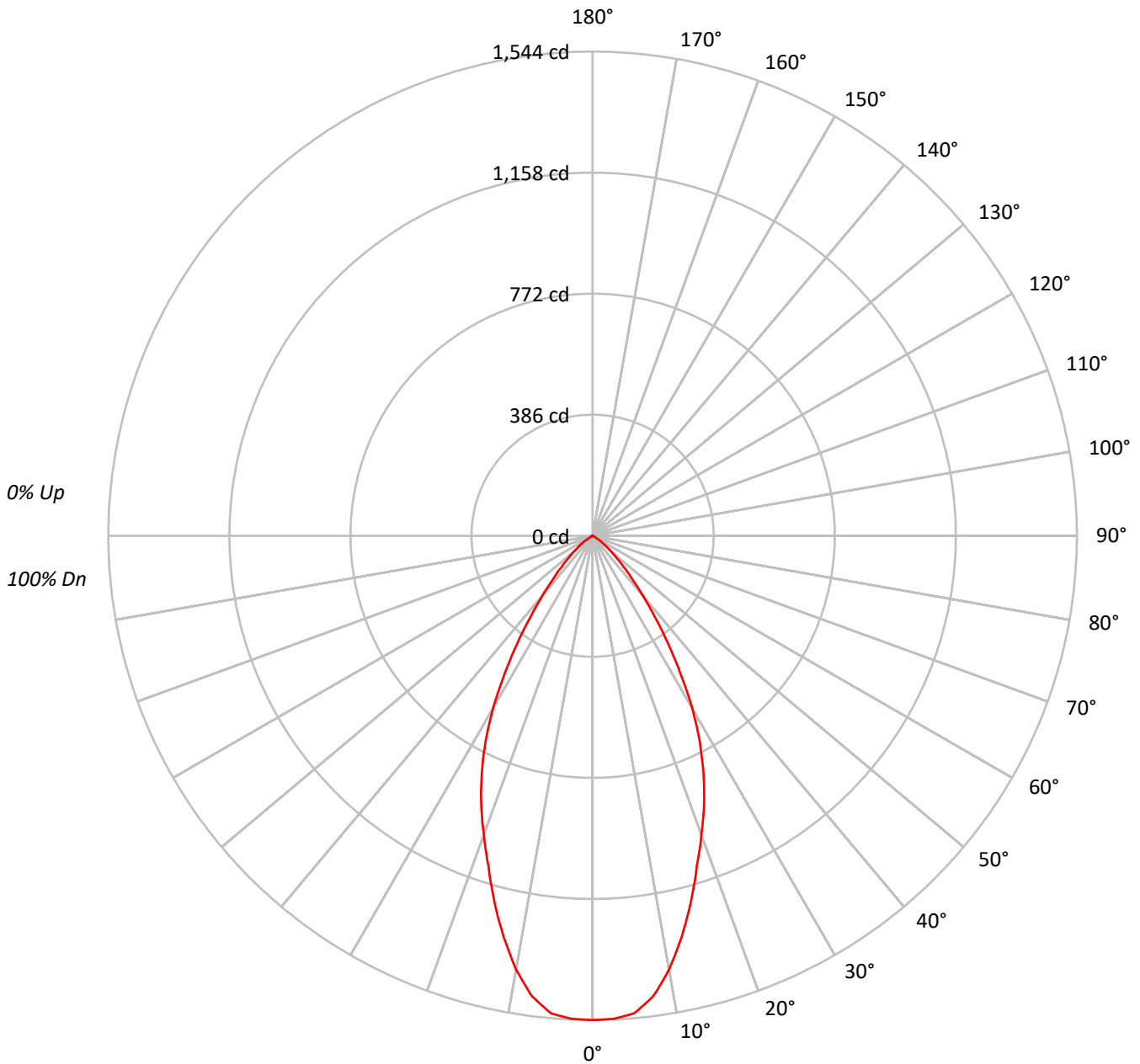
Lumens per Lamp: N/A  
Luminaire Lumens: 1275.0 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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°	598101
5°	594281
10°	552459
15°	485022
20°	418100
25°	357511
30°	283747
35°	197798
40°	125147
45°	76362
50°	45135
55°	24717
60°	5423
65°	4766
70°	3964
75°	5238
80°	3792
85°	7555



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.8	11.1
10°-20°	336.8	26.4
20°-30°	380.0	29.8
30°-40°	262.9	20.6
40°-50°	112.1	8.8
50°-60°	32.4	2.5
60°-70°	4.7	0.4
70°-80°	3.0	0.2
80°-90°	1.2	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°	858.7	67.4
0°-40°	1121.6	88.0
0°-60°	1266.1	99.3
0°-90°	1275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1275.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1544	
5°	1528	142
15°	1210	337
25°	836	380
35°	418	263
45°	139	112
55°	37	32
65°	5	5
75°	4	3
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1544.1
2.5°	1542.3
5°	1528.4
7.5°	1481.3
10°	1404.6
12.5°	1310.5
15°	1209.5
17.5°	1104.9
20°	1014.3
22.5°	928.9
25°	836.5
27.5°	738.9
30°	634.4
32.5°	521.1
35°	418.3
37.5°	324.1
40°	247.5
42.5°	186.5
45°	139.4
47.5°	101.1
50°	74.9
52.5°	54.0
55°	36.6
57.5°	15.7
60°	7.0
62.5°	5.2
65°	5.2
67.5°	3.5
70°	3.5
72.5°	3.5
75°	3.5
77.5°	1.7
80°	1.7
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)