

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: **LSR2B15WFL558050D010 2LBDL\*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: LSR2B15WFL558050D010 2LBDL\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
WIDE FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

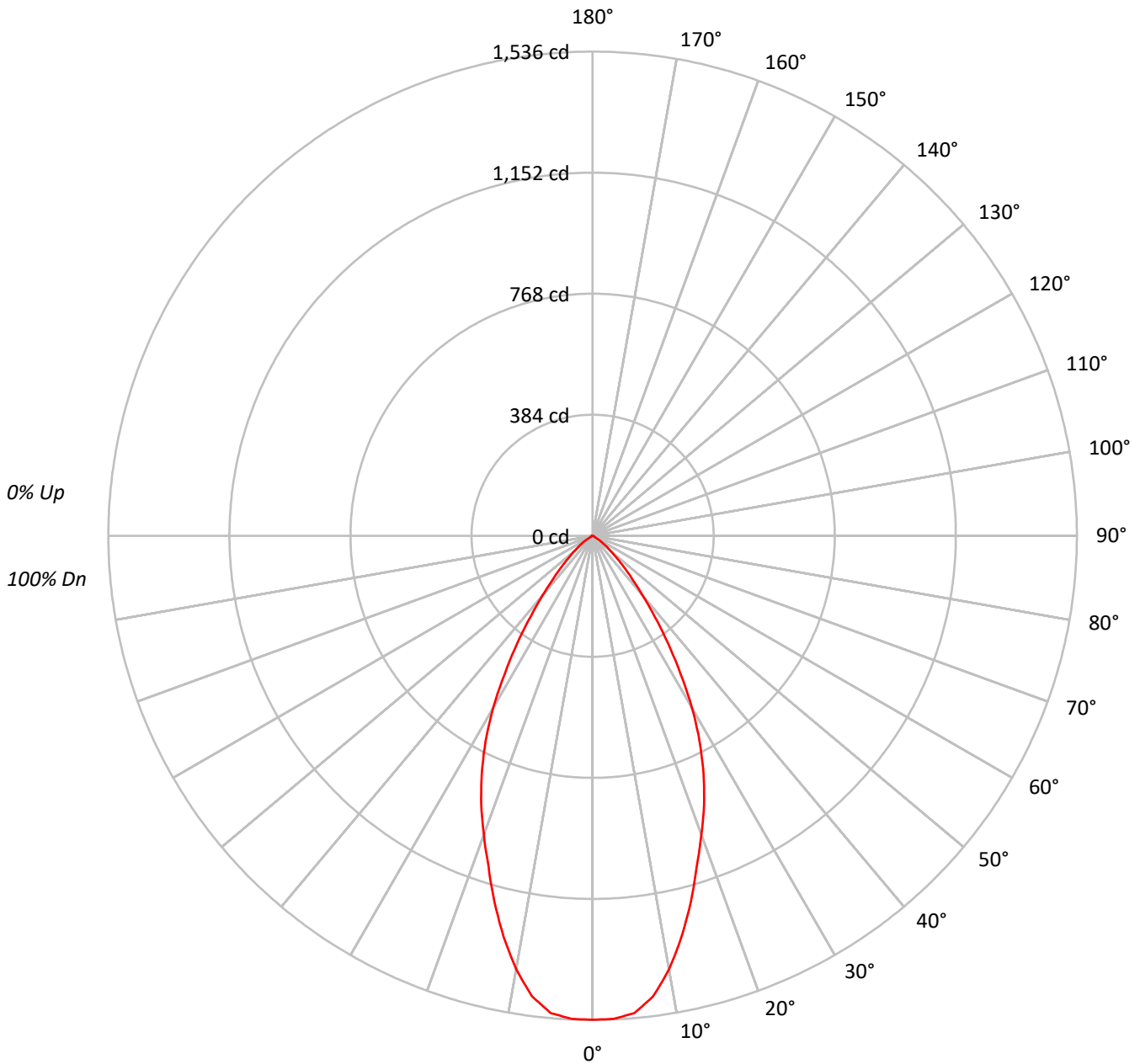
Lumens per Lamp: N/A  
Luminaire Lumens: 1267.8 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

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

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

	0°
0°	594770
5°	590976
10°	549391
15°	482295
20°	415750
25°	355545
30°	282137
35°	196663
40°	124439
45°	75924
50°	44894
55°	24582
60°	5345
65°	4766
70°	3964
75°	5238
80°	3792
85°	7555



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.1	11.1
10°-20°	335.0	26.4
20°-30°	377.9	29.8
30°-40°	261.4	20.6
40°-50°	111.4	8.8
50°-60°	32.2	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°	853.9	67.4
0°-40°	1115.4	88.0
0°-60°	1259.0	99.3
0°-90°	1267.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1267.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1536	
5°	1520	141
15°	1203	335
25°	832	378
35°	416	261
45°	139	111
55°	36	32
65°	5	5
75°	4	3
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1535.5
2.5°	1533.7
5°	1519.9
7.5°	1473.1
10°	1396.8
12.5°	1303.2
15°	1202.7
17.5°	1098.7
20°	1008.6
22.5°	923.7
25°	831.9
27.5°	734.8
30°	630.8
32.5°	518.2
35°	415.9
37.5°	322.3
40°	246.1
42.5°	185.4
45°	138.6
47.5°	100.5
50°	74.5
52.5°	53.7
55°	36.4
57.5°	15.6
60°	6.9
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)