

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: P225491

Luminaire Tested: **LSR2B15FL409050D010 2LBDL\*H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P225491  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14832)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B15FL409050D010 2LBDL\*H  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
LENSED SPUN ROUND TRIM WITH HAZE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1135.0 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.6  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

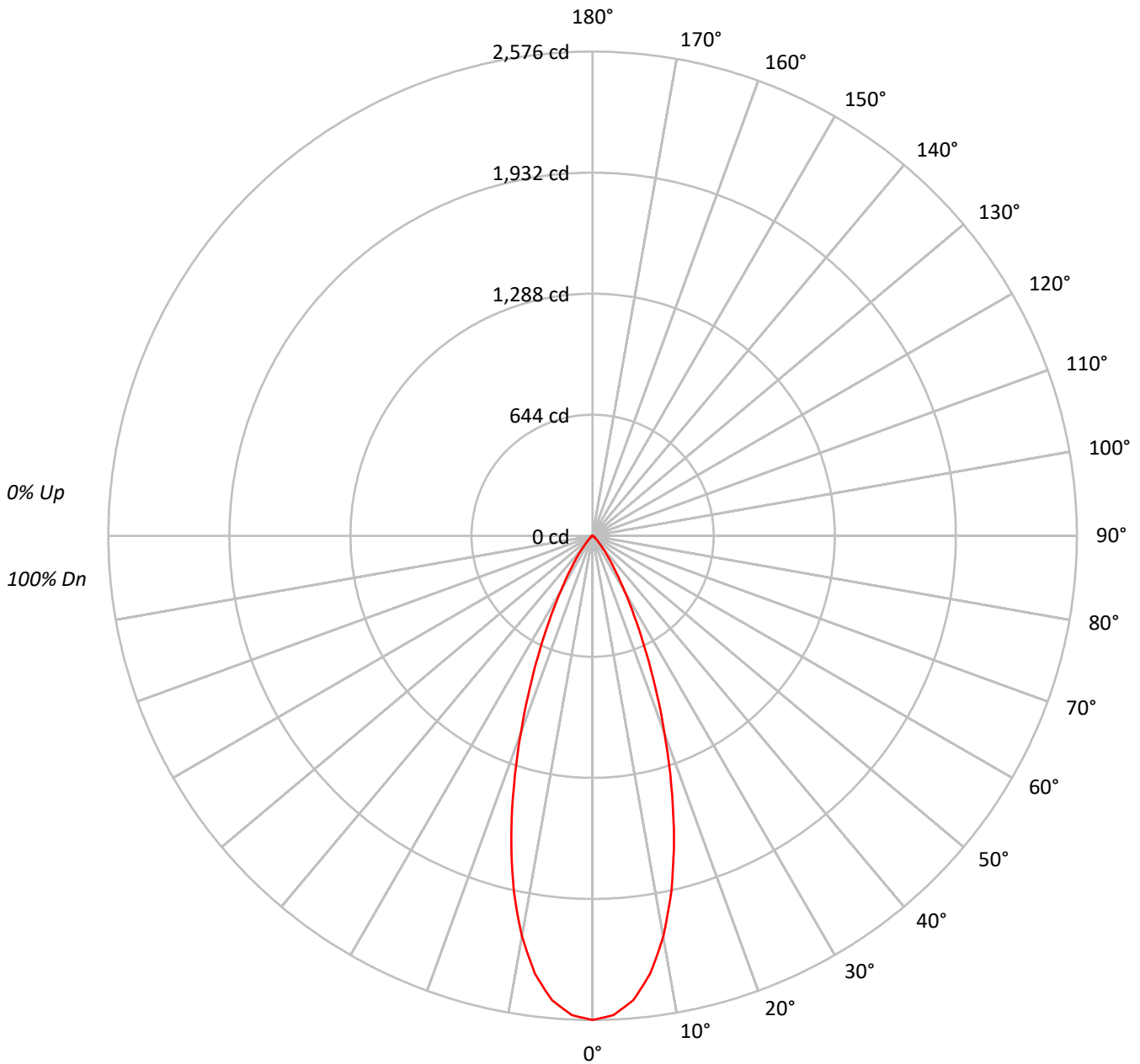
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95																
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90			90																
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86			86																
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82			82																
5	97	90	85	81	96	89	84	81	87	83	80	86	82	80	84	81	79	78			78																
6	93	86	81	77	92	85	80	77	84	79	76	82	79	76	81	78	75	74			74																
7	90	82	77	73	88	81	76	73	80	76	73	79	75	72	78	75	72	71			71																
8	86	78	73	70	85	78	73	70	77	72	69	76	72	69	75	71	69	68			68																
9	83	75	70	67	82	75	70	67	74	69	66	73	69	66	72	69	66	65			65																
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	63	62			62																

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

	0°
0°	997726
5°	964482
10°	850990
15°	670449
20°	460722
25°	278230
30°	150819
35°	77502
40°	37873
45°	17968
50°	9401
55°	6348
60°	3641
65°	1466
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.6	20.0
10°-20°	455.1	40.1
20°-30°	304.1	26.8
30°-40°	110.1	9.7
40°-50°	28.4	2.5
50°-60°	8.5	0.7
60°-70°	2.1	0.2
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°	985.9	86.9
0°-40°	1096.0	96.6
0°-60°	1132.9	99.8
0°-90°	1135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2576	
5°	2480	227
15°	1672	455
25°	651	304
35°	164	110
45°	33	28
55°	9	8
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2575.8
2.5°	2552.4
5°	2480.5
7.5°	2349.4
10°	2163.6
12.5°	1935.7
15°	1671.9
17.5°	1390.9
20°	1117.7
22.5°	866.4
25°	651.0
27.5°	474.6
30°	337.2
32.5°	237.3
35°	163.9
37.5°	114.0
40°	74.9
42.5°	48.4
45°	32.8
47.5°	23.4
50°	15.6
52.5°	12.5
55°	9.4
57.5°	6.2
60°	4.7
62.5°	3.1
65°	1.6
67.5°	1.6
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)