

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: P225330

Luminaire Tested: **LSR2B15FL409727D010 2LBDC\*MW**

Issue Date: 3/3/2020

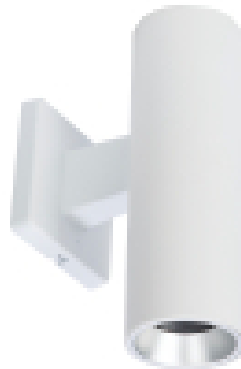
**Test Information**

Test Method: LM-41-14  
Report Number: P225330  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LSR2B15FL409727D010 2LBDC\*MW  
Description: 1500 Lumen, 2inch Portfolio LED Cylinder  
FLOOD OPTIC  
CAST ROUND TRIM WITH MATTE WHITE FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 836.9 lumens  
Efficiency: N/A  
Efficacy: 58.5 lumens/watt  
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59  
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')  
CIE Type: Direct

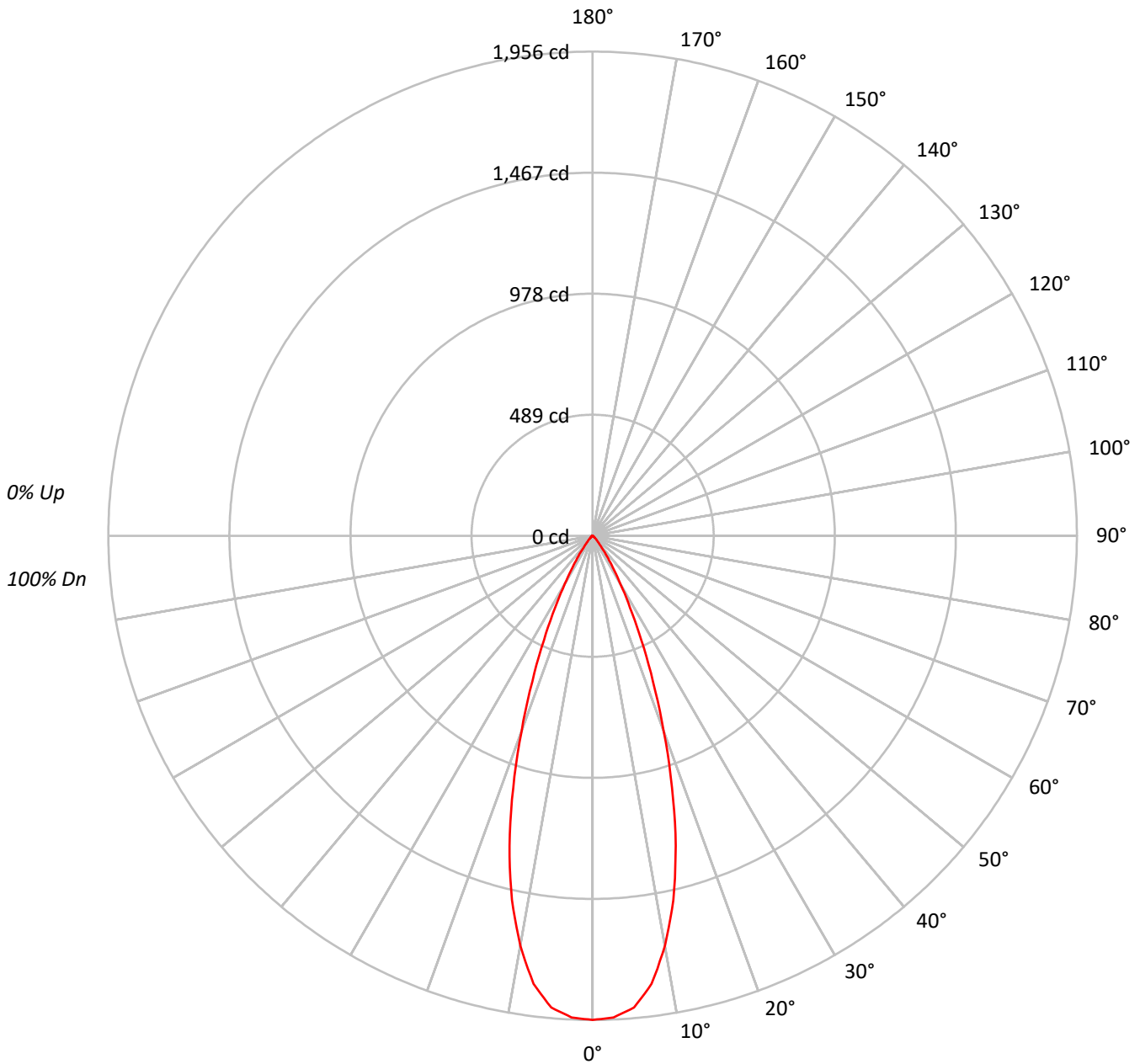
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°
0°	757649
5°	743862
10°	661252
15°	520070
20°	346046
25°	198650
30°	100367
35°	47192
40°	19012
45°	9422
50°	5182
55°	3647
60°	3331
65°	1925
70°	2378
75°	1646
80°	2454
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	175.2	20.9
10°-20°	351.3	42.0
20°-30°	218.5	26.1
30°-40°	67.2	8.0
40°-50°	14.8	1.8
50°-60°	5.3	0.6
60°-70°	2.6	0.3
70°-80°	1.6	0.2
80°-90°	0.4	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°	745.0	89.0
0°-40°	812.2	97.1
0°-60°	832.3	99.4
0°-90°	836.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1956	
5°	1913	175
15°	1297	351
25°	465	219
35°	100	67
45°	17	15
55°	5	5
65°	2	3
75°	1	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1956.0
2.5°	1947.4
5°	1913.1
7.5°	1826.1
10°	1681.2
12.5°	1507.3
15°	1296.9
17.5°	1067.1
20°	839.5
22.5°	636.6
25°	464.8
27.5°	327.4
30°	224.4
32.5°	151.4
35°	99.8
37.5°	60.1
40°	37.6
42.5°	25.8
45°	17.2
47.5°	11.8
50°	8.6
52.5°	7.5
55°	5.4
57.5°	4.3
60°	4.3
62.5°	3.2
65°	2.1
67.5°	2.1
70°	2.1
72.5°	2.1
75°	1.1
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)