

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: P224349

Luminaire Tested: **LD2B15D010 EU2B15FL409030D2W 2LBDSQC\*MMS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P224349  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14831)  
Test Lab: INNOVATION CENTER (G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD2B15D010 EU2B15FL409030D2W 2LBDSQC\*MMS  
Description: 1500 Lumen, 2inch Portfolio LED Downlight  
FLOOD OPTIC  
SQUARE CAST TRIM WITH MATTE METALLIC SILVER  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 782.7 lumens  
Efficiency: N/A  
Efficacy: 54.7 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

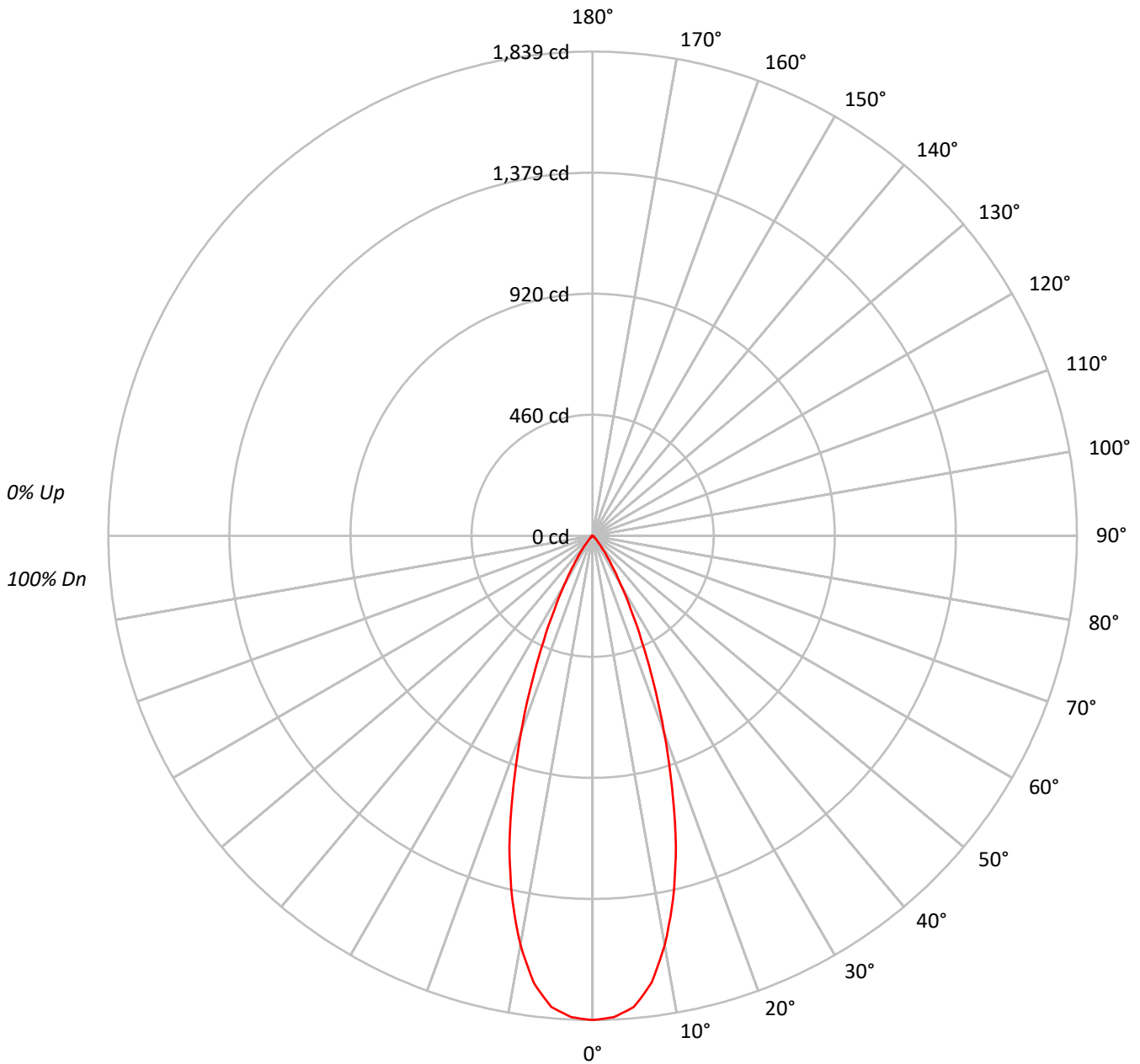
Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20																	
RC	80									70									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	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	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91																																				
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87																																				
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83																																				
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79																																				
6	94	87	82	78	93	86	82	78	85	81	78	83	80	77	82	79	77	76																																				
7	91	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	73	72																																				
8	87	80	75	71	86	79	75	71	78	74	71	77	73	71	76	73	70	69																																				
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67																																				
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64																																				

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

	0°
0°	712445
5°	698758
10°	620740
15°	489834
20°	326714
25°	188051
30°	95268
35°	44638
40°	18304
45°	8272
50°	4218
55°	2701
60°	1549
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.5	21.0
10°-20°	330.1	42.2
20°-30°	206.7	26.4
30°-40°	64.0	8.2
40°-50°	13.2	1.7
50°-60°	3.7	0.5
60°-70°	0.5	0.1
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°	701.3	89.6
0°-40°	765.3	97.8
0°-60°	782.2	99.9
0°-90°	782.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	782.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1839	
5°	1797	164
15°	1222	330
25°	440	207
35°	94	64
45°	15	13
55°	4	4
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1839.3
2.5°	1830.3
5°	1797.1
7.5°	1712.8
10°	1578.2
12.5°	1412.4
15°	1221.5
17.5°	1001.6
20°	792.6
22.5°	602.7
25°	440.0
27.5°	309.4
30°	213.0
32.5°	142.7
35°	94.4
37.5°	59.3
40°	36.2
42.5°	23.1
45°	15.1
47.5°	10.1
50°	7.0
52.5°	5.0
55°	4.0
57.5°	3.0
60°	2.0
62.5°	1.0
65°	0.0
67.5°	0.0
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)