

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: P279844

Luminaire Tested: **LDA2B159730D010 EU2B15FL409730 2LBAD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P279844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-3)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B159730D010 EU2B15FL409730 2LBAD1MW
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH FLOOD OPTIC AND 2in
ADJ spun Refl, Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1145.8 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

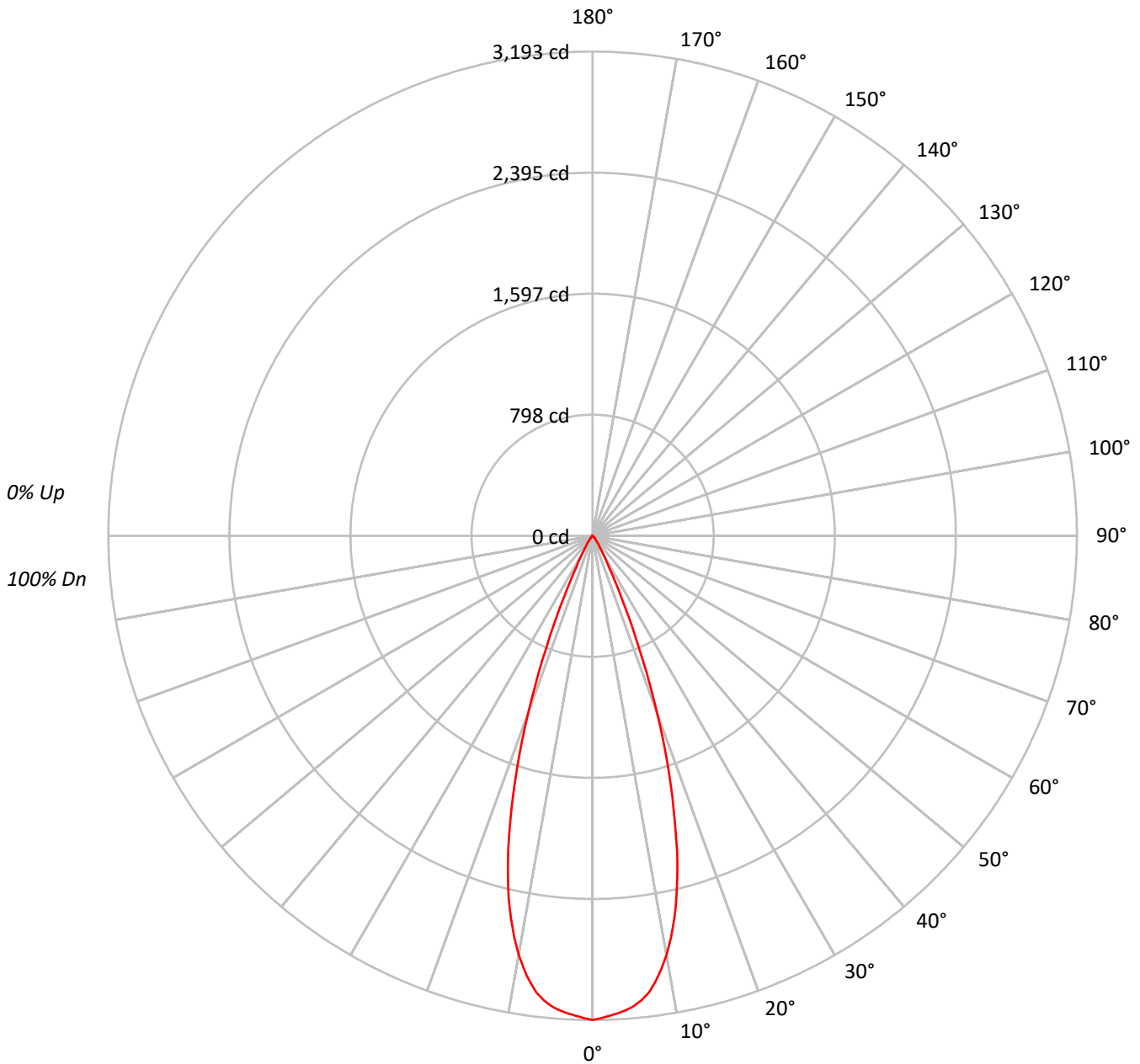
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0																								
RCR																																																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																																				
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																																				
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																																				
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89																																				
4	103	98	93	90	102	97	93	90	95	91	89	93	90	88	91	89	87	85																																				
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82																																				
6	97	90	85	82	95	89	85	82	88	84	82	87	83	81	85	83	80	79																																				
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																																				
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																																				
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	73	72																																				
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1575502
5°	1542197
10°	1405579
15°	1098044
20°	650086
25°	241698
30°	75540
35°	33607
40°	15586
45°	7326
50°	4068
55°	2236
60°	1085
65°	584
70°	721
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.8	25.1
10°-20°	572.4	50.0
20°-30°	234.4	20.5
30°-40°	38.8	3.4
40°-50°	9.2	0.8
50°-60°	2.5	0.2
60°-70°	0.6	0.0
70°-80°	0.1	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°	1094.7	95.5
0°-40°	1133.5	98.9
0°-60°	1145.2	99.9
0°-90°	1145.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3193	
5°	3114	288
15°	2150	572
25°	444	234
35°	56	39
45°	10	9
55°	3	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3193.4
1°	3182.3
2°	3167.6
3°	3154.5
4°	3137.1
5°	3114.0
6°	3079.8
7°	3035.1
8°	2971.4
9°	2894.1
10°	2805.7
11°	2703.2
12°	2587.4
13°	2455.4
14°	2308.6
15°	2149.8
17.5°	1704.8
20°	1238.2
22.5°	792.7
25°	444.0
27.5°	234.1
30°	132.6
32.5°	84.2
35°	55.8
37.5°	36.8
40°	24.2
42.5°	15.8
45°	10.5
47.5°	7.4
50°	5.3
52.5°	3.7
55°	2.6
57.5°	1.6
60°	1.1
62.5°	0.5
65°	0.5
67.5°	0.5
70°	0.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)