

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: P277883

Luminaire Tested: **LDA2B058040D010 EU2B05SP158040 2LBAD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P277883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B058040D010 EU2B05SP158040 2LBAD1LI
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in
ADJ spun Refl, Self-Flanged, LI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 838.1 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

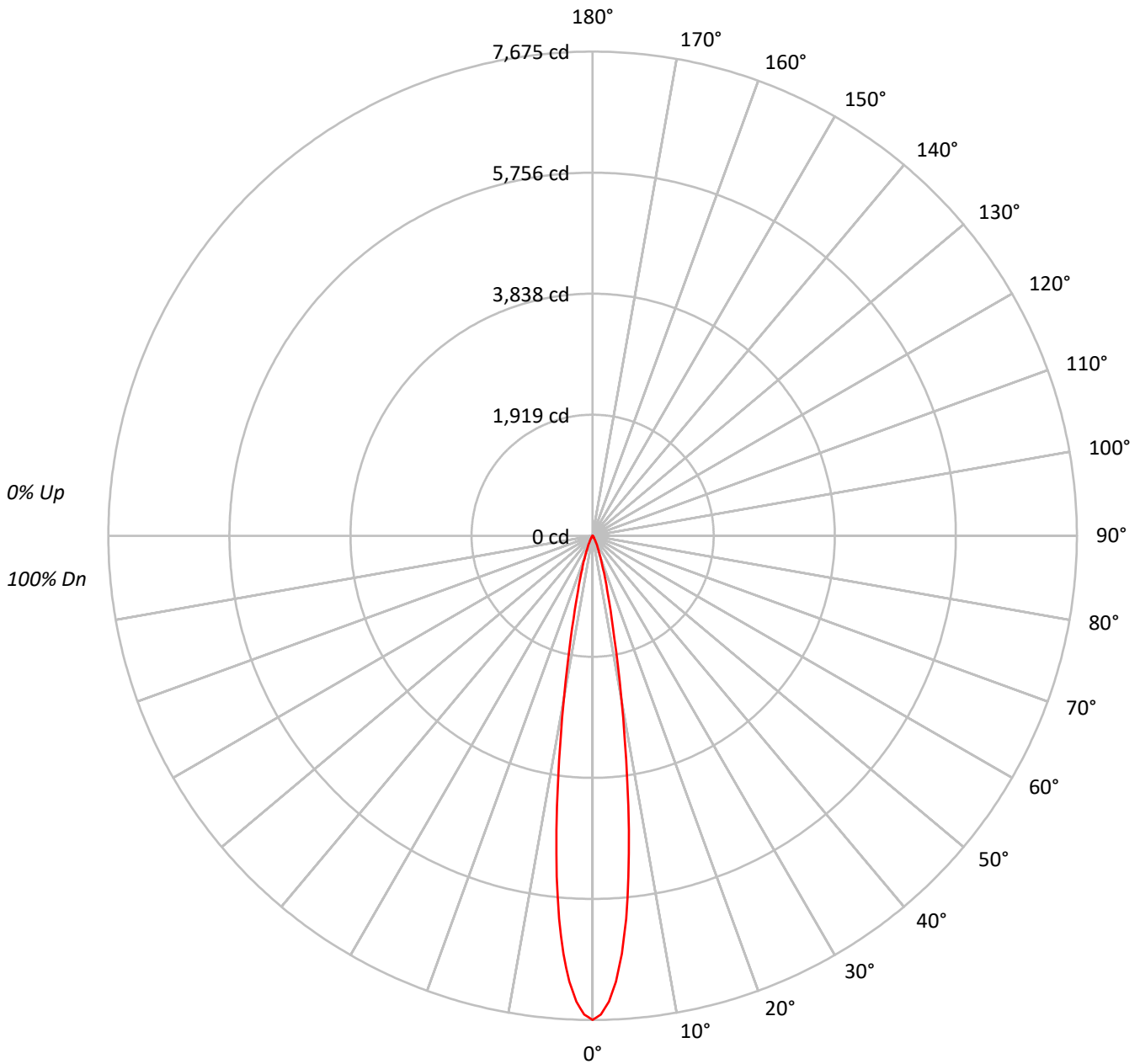
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98	98	98	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96	96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93	93	93	93
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92	92	92	92
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90	90	90	90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88	88	88	88
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86	86	86	86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85	85	85	85
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83	83	83	83
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82	82	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3786404
5°	3018725
10°	1310595
15°	452794
20°	185649
25°	83832
30°	33725
35°	15720
40°	8566
45°	3210
50°	1919
55°	1462
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.7	55.0
10°-20°	276.7	33.0
20°-30°	76.2	9.1
30°-40°	18.1	2.2
40°-50°	4.5	0.5
50°-60°	1.5	0.2
60°-70°	0.5	0.1
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°	813.5	97.1
0°-40°	831.6	99.2
0°-60°	837.6	99.9
0°-90°	838.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7675	
5°	6095	461
15°	886	277
25°	154	76
35°	26	18
45°	5	4
55°	2	1
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7674.7
1°	7589.8
2°	7386.5
3°	7076.3
4°	6638.7
5°	6095.4
6°	5432.1
7°	4705.4
8°	3941.9
9°	3239.6
10°	2616.1
11°	2088.1
12°	1662.1
13°	1340.3
14°	1084.4
15°	886.5
17.5°	550.3
20°	353.6
22.5°	231.9
25°	154.0
27.5°	99.0
30°	59.2
32.5°	37.3
35°	26.1
37.5°	19.0
40°	13.3
42.5°	7.9
45°	4.6
47.5°	3.3
50°	2.5
52.5°	2.1
55°	1.7
57.5°	1.2
60°	0.8
62.5°	0.8
65°	0.4
67.5°	0.4
70°	0.4
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)