

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: P280157

Luminaire Tested: **LDA2B058040D010 EU2B05WFL558040 2LBALD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-5)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B058040D010 EU2B05WFL558040 2LBALD1B
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl w/lens Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 877.3 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.73
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

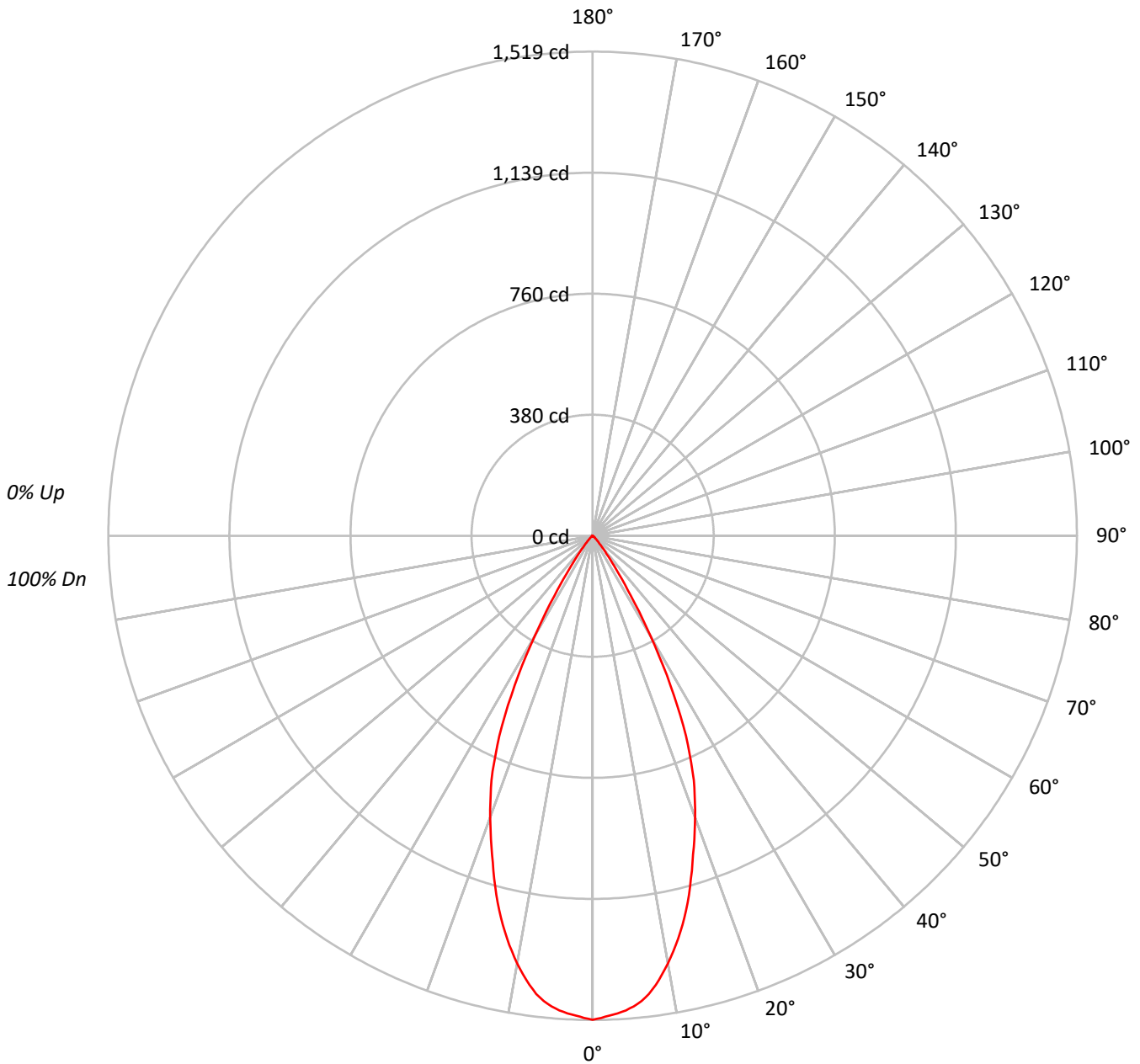
Input Watts (W): 7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			100
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95			95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85			85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80			80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76			76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72			72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69			69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65			65
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62			62
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	749219
5°	733955
10°	682525
15°	595910
20°	493366
25°	377353
30°	206511
35°	76430
40°	26470
45°	11931
50°	5603
55°	2838
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	15.7
10°-20°	322.5	36.8
20°-30°	304.8	34.7
30°-40°	93.8	10.7
40°-50°	14.8	1.7
50°-60°	3.1	0.4
60°-70°	0.4	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°	765.0	87.2
0°-40°	858.8	97.9
0°-60°	876.8	99.9
0°-90°	877.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1519	
5°	1482	138
15°	1167	322
25°	693	305
35°	127	94
45°	17	15
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1518.6
1°	1512.9
2°	1506.0
3°	1500.3
4°	1493.0
5°	1482.0
6°	1467.8
7°	1448.6
8°	1423.0
9°	1393.3
10°	1362.4
11°	1328.2
12°	1292.0
13°	1252.6
14°	1211.5
15°	1166.7
17.5°	1048.3
20°	939.7
22.5°	829.5
25°	693.2
27.5°	528.8
30°	362.5
32.5°	222.5
35°	126.9
37.5°	70.8
40°	41.1
42.5°	25.6
45°	17.1
47.5°	11.4
50°	7.3
52.5°	4.9
55°	3.3
57.5°	2.0
60°	0.8
62.5°	0.4
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)