

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: P278508

Luminaire Tested: **LDA2B059730D010 EU2B05NFL259730 2LBALD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P278508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-2)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B059730D010 EU2B05NFL259730 2LBALD1MW
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC
AND 2in ADJ spun Refl w/lens Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 576.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.39
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

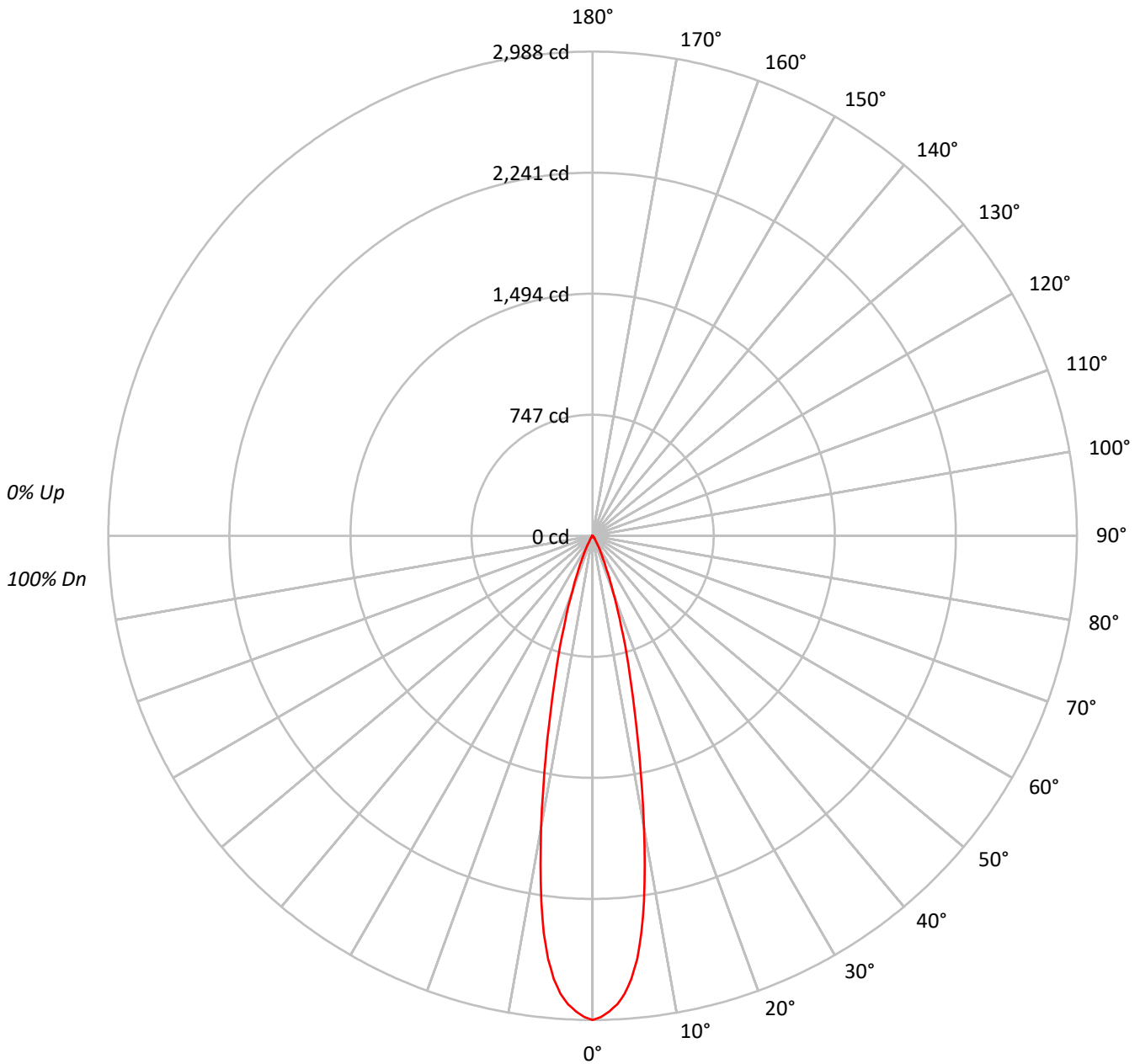
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97									97																			
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94									94																			
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91									91																			
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89									89																			
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86									86																			
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84									84																			
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82									82																			
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80									80																			
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78									78																			
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76									76																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1474412
5°	1359748
10°	916329
15°	451772
20°	192999
25°	75884
30°	29852
35°	13070
40°	6312
45°	3000
50°	1689
55°	946
60°	493
65°	350
70°	433
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.6	40.4
10°-20°	250.5	43.5
20°-30°	72.3	12.6
30°-40°	15.3	2.6
40°-50°	3.8	0.7
50°-60°	1.1	0.2
60°-70°	0.4	0.1
70°-80°	0.2	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°	555.4	96.4
0°-40°	570.6	99.1
0°-60°	575.5	99.9
0°-90°	576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	576.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2988	
5°	2746	233
15°	884	250
25°	139	72
35°	22	15
45°	4	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2988.5
1°	2969.7
2°	2938.0
3°	2895.0
4°	2834.2
5°	2745.6
6°	2626.1
7°	2470.2
8°	2278.4
9°	2054.8
10°	1829.1
11°	1600.9
12°	1385.4
13°	1194.2
14°	1026.0
15°	884.5
17.5°	584.6
20°	367.6
22.5°	226.0
25°	139.4
27.5°	85.0
30°	52.4
32.5°	33.1
35°	21.7
37.5°	14.4
40°	9.8
42.5°	6.8
45°	4.3
47.5°	2.7
50°	2.2
52.5°	1.6
55°	1.1
57.5°	0.8
60°	0.5
62.5°	0.5
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.0
77.5°	0.3
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)