

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: P280532

Luminaire Tested: **LDA2B10D2WD010 EU2B10WFL55D2W 2LBAD1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280532
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: LDA2B10D2WD010 EU2B10WFL55D2W 2LBAD1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, MW
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 868.3 lumens
Efficiency: N/A
Efficacy: 86.8 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

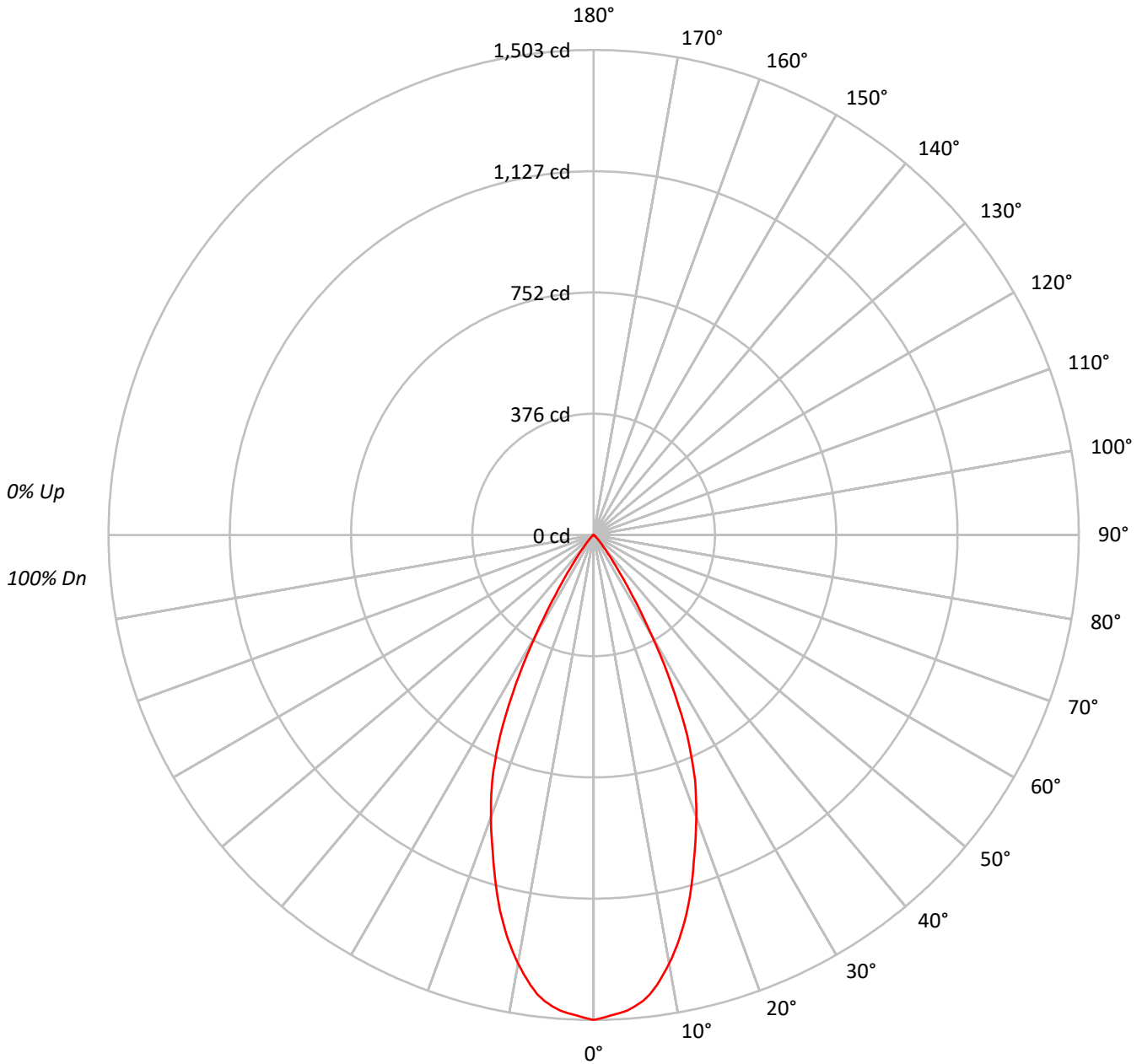
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280532

CATALOG NUMBER: LDA2B10D2WD010 EU2B10WFL55D2W 2LBAD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P280532

CATALOG NUMBER: LDA2B10D2WD010 EU2B10WFL55D2W 2LBAD1MW

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																												
1	114	112	109	107	112	110	108	106	106	104	103	102	101	99	98	97	97	95	95	93	91	88	86	85	85	80	95																			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	88	86	85	85	80	90	90																				
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85	85	83	82	81	80	80	76	76	69																			
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80	80	78	78	76	76	72	72	69	65																			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	76	74	74	72	72	69	69	65	62																			
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72	72	70	70	67	67	65	65	62	59																			
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69	69	67	67	65	65	62	62	59	56																			
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	65	63	63	61	61	59	59	56	53																			
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62	62	60	60	58	58	56	56	53	50																			
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	59	59	57	57	55	55	53	53	50	47																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	741621
5°	726477
10°	675562
15°	589883
20°	488378
25°	373488
30°	204403
35°	75647
40°	26212
45°	11791
50°	5526
55°	2752
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0



TEST NUMBER: P280532

CATALOG NUMBER: LDA2B10D2WD010 EU2B10WFL55D2W 2LBAD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	15.7
10°-20°	319.2	36.8
20°-30°	301.7	34.7
30°-40°	92.9	10.7
40°-50°	14.7	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°	757.2	87.2
0°-40°	850.1	97.9
0°-60°	867.8	99.9
0°-90°	868.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	868.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1503	
5°	1467	136
15°	1155	319
25°	686	302
35°	126	93
45°	17	15
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280532

CATALOG NUMBER: LDA2B10D2WD010 EU2B10WFL55D2W 2LBAD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1503.2
1°	1497.5
2°	1490.7
3°	1485.0
4°	1477.8
5°	1466.9
6°	1452.8
7°	1433.9
8°	1408.5
9°	1379.1
10°	1348.5
11°	1314.7
12°	1278.9
13°	1239.8
14°	1199.1
15°	1154.9
17.5°	1037.7
20°	930.2
22.5°	821.0
25°	686.1
27.5°	523.5
30°	358.8
32.5°	220.3
35°	125.6
37.5°	70.1
40°	40.7
42.5°	25.4
45°	16.9
47.5°	11.3
50°	7.2
52.5°	4.8
55°	3.2
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



TEST NUMBER: P280532

CATALOG NUMBER: LDA2B10D2WD010 EU2B10WFL55D2W 2LBAD1MW

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)