

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: P280213

Luminaire Tested: **LDA2B059030D010 EU2B05WFL559030 2LBAD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280213
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: LDA2B059030D010 EU2B05WFL559030 2LBAD1B
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl, Self-Flanged, B
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 681.4 lumens
Efficiency: N/A
Efficacy: 97.3 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

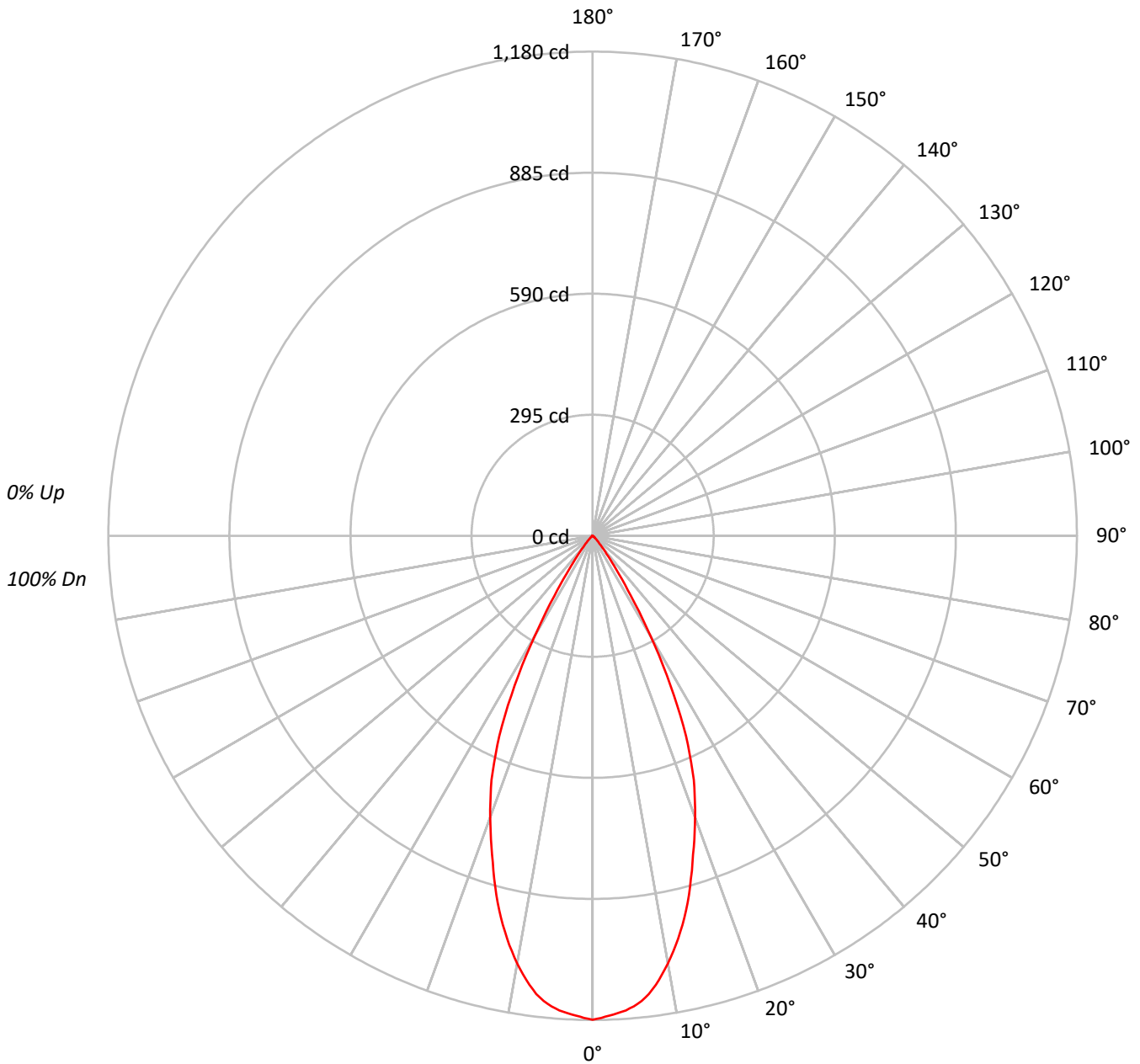
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280213

CATALOG NUMBER: LDA2B059030D010 EU2B05WFL559030 2LBAD1B

Luminous Intensity Polar Plot





TEST NUMBER: P280213

CATALOG NUMBER: LDA2B059030D010 EU2B05WFL559030 2LBAD1B

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
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		
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90		
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85		
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80		
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76		
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72		
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69		
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65		
9	81	73	68	64	80	72	68	64	72	67	64	71	67	64	70	66	64	62		
10	78	70	65	61	77	69	64	61	69	64	61	68	64	61	67	63	61	60		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	581970
5°	570128
10°	530179
15°	462907
20°	383215
25°	293140
30°	160423
35°	59385
40°	20545
45°	9280
50°	4375
55°	2150
60°	592
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P280213

CATALOG NUMBER: LDA2B059030D010 EU2B05WFL559030 2LBAD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	15.7
10°-20°	250.5	36.8
20°-30°	236.8	34.7
30°-40°	72.9	10.7
40°-50°	11.5	1.7
50°-60°	2.4	0.4
60°-70°	0.3	0.0
70°-80°	0.0	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°	594.2	87.2
0°-40°	667.1	97.9
0°-60°	681.0	99.9
0°-90°	681.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1180	
5°	1151	107
15°	906	250
25°	538	237
35°	99	73
45°	13	12
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280213

CATALOG NUMBER: LDA2B059030D010 EU2B05WFL559030 2LBAD1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1179.6
1°	1175.2
2°	1169.8
3°	1165.4
4°	1159.7
5°	1151.2
6°	1140.1
7°	1125.3
8°	1105.3
9°	1082.3
10°	1058.3
11°	1031.7
12°	1003.6
13°	972.9
14°	941.0
15°	906.3
17.5°	814.3
20°	729.9
22.5°	644.3
25°	538.5
27.5°	410.8
30°	281.6
32.5°	172.8
35°	98.6
37.5°	55.0
40°	31.9
42.5°	19.9
45°	13.3
47.5°	8.8
50°	5.7
52.5°	3.8
55°	2.5
57.5°	1.6
60°	0.6
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0



TEST NUMBER: P280213

CATALOG NUMBER: LDA2B059030D010 EU2B05WFL559030 2LBAD1B

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)