

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: P280285

Luminaire Tested: **LDA2B059727D010 EU2B05WFL559727 2LBALD1B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280285
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: LDA2B059727D010 EU2B05WFL559727 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: 579.9 lumens
Efficiency: N/A
Efficacy: 82.8 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

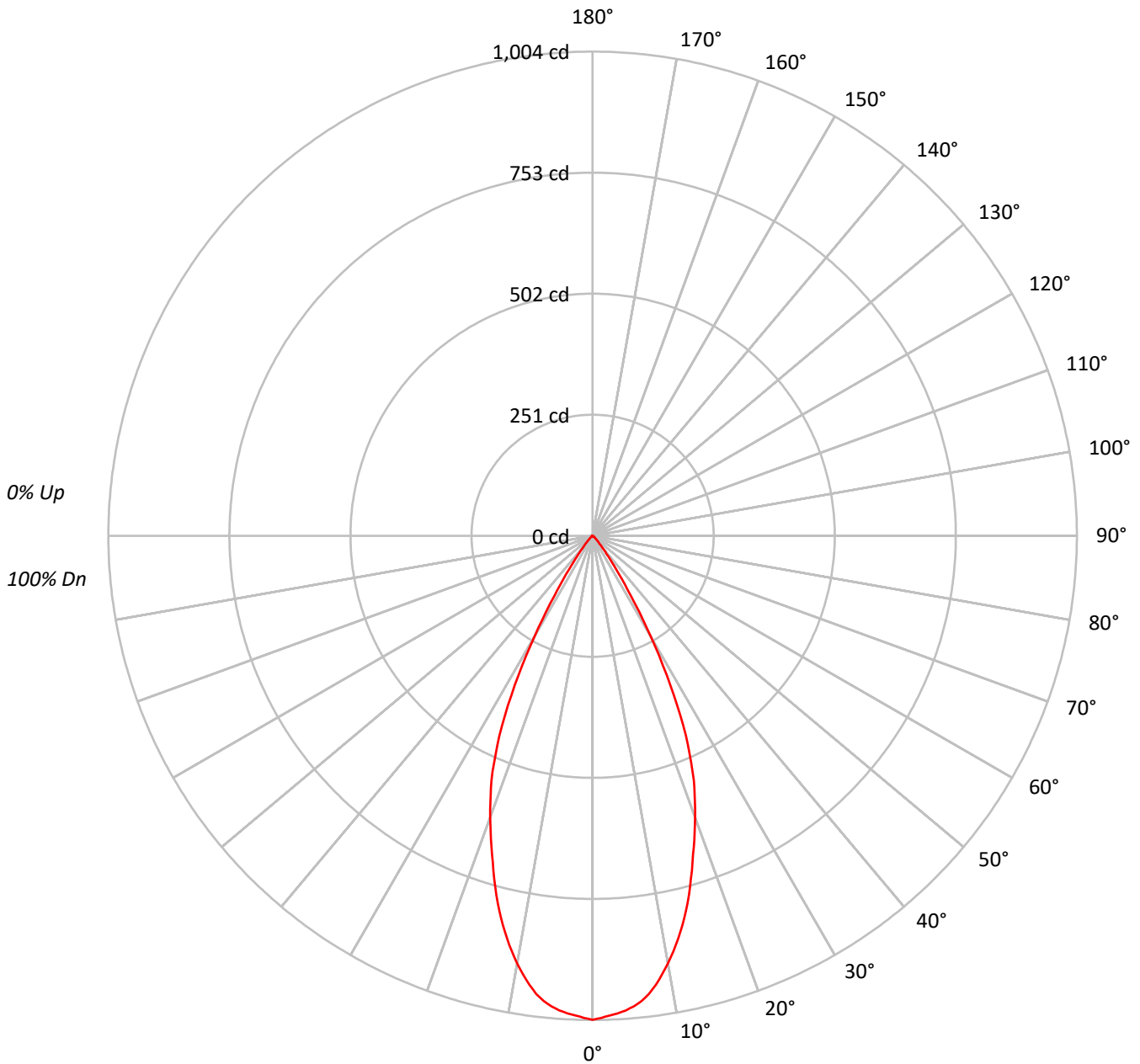
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280285

CATALOG NUMBER: LDA2B059727D010 EU2B05WFL559727 2LBALD1B

Luminous Intensity Polar Plot





TEST NUMBER: P280285

CATALOG NUMBER: LDA2B059727D010 EU2B05WFL559727 2LBALD1B

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	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
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	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	495237
5°	485143
10°	451126
15°	393903
20°	326093
25°	249428
30°	136497
35°	50532
40°	17518
45°	7884
50°	3684
55°	1892
60°	493
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P280285

CATALOG NUMBER: LDA2B059727D010 EU2B05WFL559727 2LBALD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	15.7
10°-20°	213.1	36.8
20°-30°	201.5	34.7
30°-40°	62.0	10.7
40°-50°	9.8	1.7
50°-60°	2.1	0.4
60°-70°	0.3	0.1
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°	505.6	87.2
0°-40°	567.7	97.9
0°-60°	579.5	99.9
0°-90°	579.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	579.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1004	
5°	980	91
15°	771	213
25°	458	201
35°	84	62
45°	11	10
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280285

CATALOG NUMBER: LDA2B059727D010 EU2B05WFL559727 2LBALD1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1003.8
1°	1000.0
2°	995.4
3°	991.7
4°	986.8
5°	979.6
6°	970.2
7°	957.5
8°	940.6
9°	921.0
10°	900.5
11°	877.9
12°	854.0
13°	827.9
14°	800.8
15°	771.2
17.5°	692.9
20°	621.1
22.5°	548.3
25°	458.2
27.5°	349.6
30°	239.6
32.5°	147.1
35°	83.9
37.5°	46.8
40°	27.2
42.5°	16.9
45°	11.3
47.5°	7.5
50°	4.8
52.5°	3.2
55°	2.2
57.5°	1.3
60°	0.5
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: P280285

CATALOG NUMBER: LDA2B059727D010 EU2B05WFL559727 2LBALD1B

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)