

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: P280266

Luminaire Tested: **LDA2B059050D010 EU2B05WFL559050 2LBALD1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P280266
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: LDA2B059050D010 EU2B05WFL559050 2LBALD1LI
Description: PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in ADJ spun Refl w/lens Self-Flanged, H
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 735.3 lumens
Efficiency: N/A
Efficacy: 105.0 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

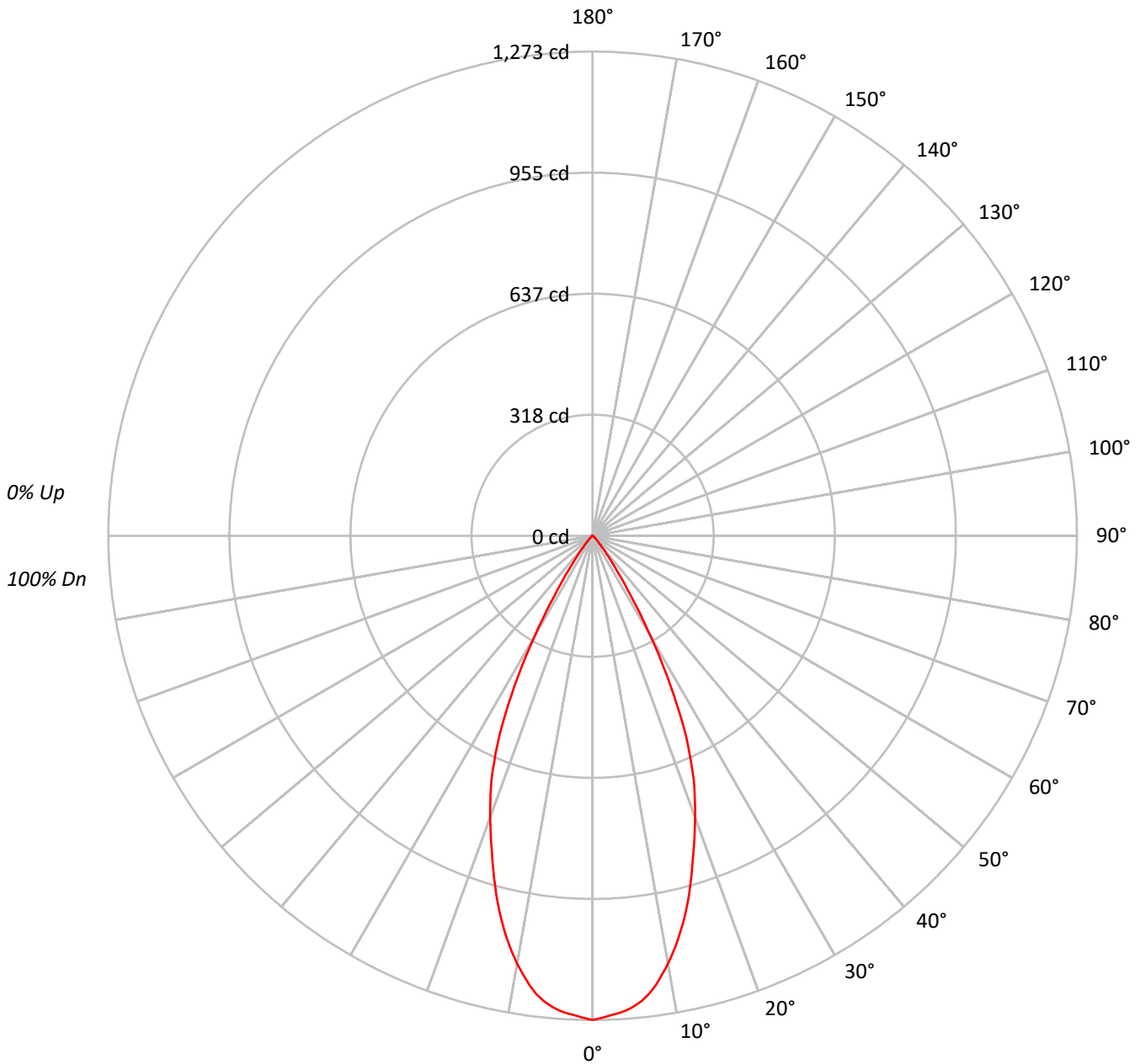
Input Watts (W): 7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P280266

CATALOG NUMBER: LDA2B059050D010 EU2B05WFL559050 2LBALD1LI

Luminous Intensity Polar Plot





TEST NUMBER: P280266

CATALOG NUMBER: LDA2B059050D010 EU2B05WFL559050 2LBALD1LI

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	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	628000
5°	615245
10°	572111
15°	499529
20°	413562
25°	316330
30°	173070
35°	64083
40°	22155
45°	9977
50°	4682
55°	2322
60°	691
65°	350
70°	433
75°	0
80°	0
85°	0



TEST NUMBER: P280266

CATALOG NUMBER: LDA2B059050D010 EU2B05WFL559050 2LBALD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	15.7
10°-20°	270.3	36.8
20°-30°	255.5	34.7
30°-40°	78.6	10.7
40°-50°	12.4	1.7
50°-60°	2.6	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°	641.2	87.2
0°-40°	719.9	97.9
0°-60°	734.9	99.9
0°-90°	735.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	735.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1273	
5°	1242	115
15°	978	270
25°	581	255
35°	106	79
45°	14	12
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P280266

CATALOG NUMBER: LDA2B059050D010 EU2B05WFL559050 2LBALD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	1272.9
1°	1268.2
2°	1262.4
3°	1257.6
4°	1251.5
5°	1242.3
6°	1230.3
7°	1214.3
8°	1192.8
9°	1167.9
10°	1142.0
11°	1113.4
12°	1083.0
13°	1049.9
14°	1015.5
15°	978.0
17.5°	878.8
20°	787.7
22.5°	695.3
25°	581.1
27.5°	443.3
30°	303.8
32.5°	186.5
35°	106.4
37.5°	59.3
40°	34.4
42.5°	21.5
45°	14.3
47.5°	9.5
50°	6.1
52.5°	4.1
55°	2.7
57.5°	1.7
60°	0.7
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: P280266

CATALOG NUMBER: LDA2B059050D010 EU2B05WFL559050 2LBALD1LI

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)