Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P278314

Luminaire Tested: **LDA2B058027D010 EU2B05NFL258027 2LBALD1LI**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-41-14
Report Number:	P278314
	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:	LDA2B058027D010 EU2B05NFL258027 2LBALD1LI
Description:	PORTFOLIO 2IN ADJ 500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in ADJ spun Refl w/lens Self-Flanged, H
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	763.4 lumens
Efficiency:	N/A
Efficacy:	109.1 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

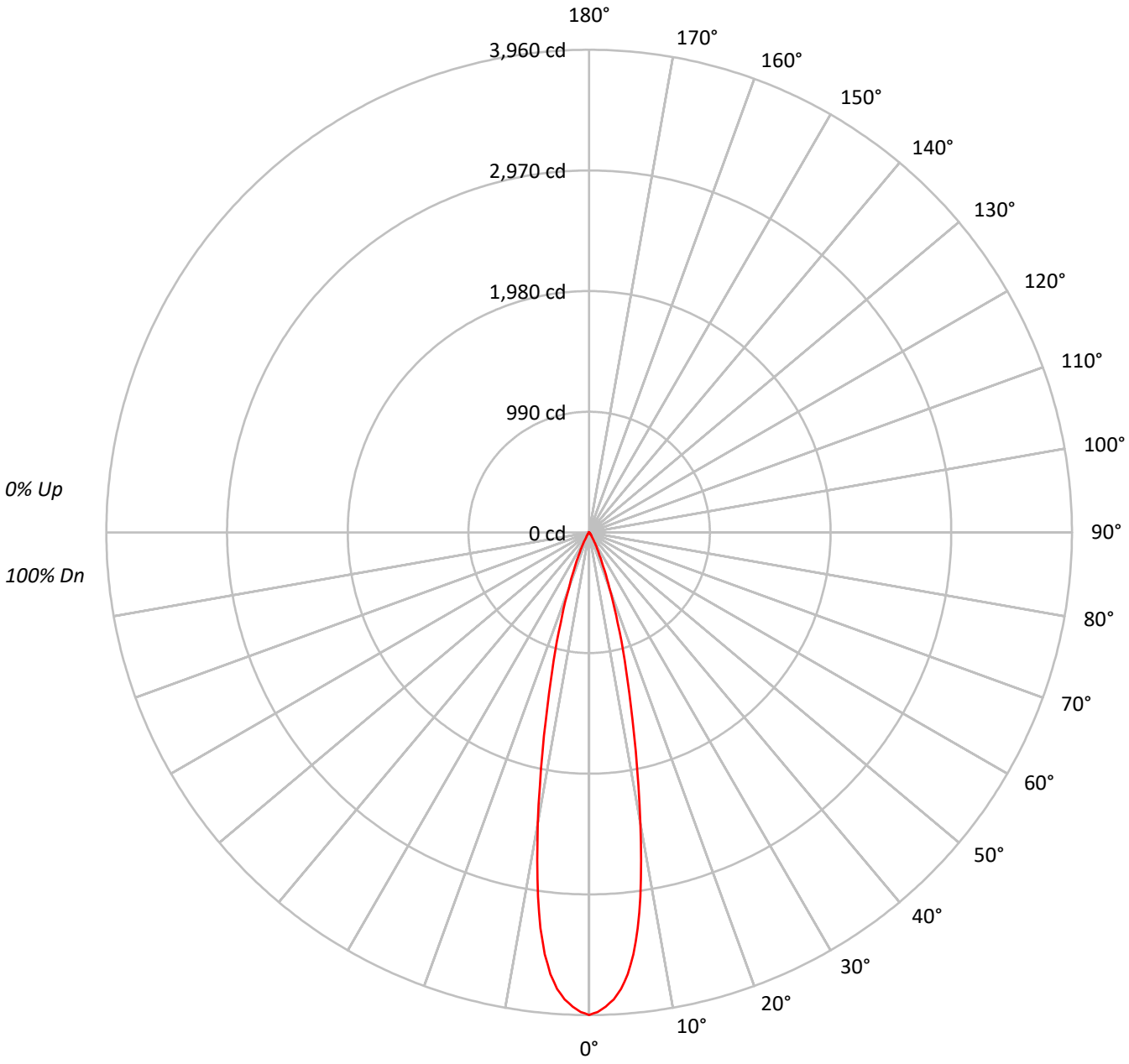
Input Watts (W):	7
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P278314
CATALOG NUMBER: LDA2B058027D010 EU2B05NFL258027 2LBALD1LI

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P278314
CATALOG NUMBER: LDA2B058027D010 EU2B05NFL258027 2LBALD1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	98	98	97	96	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86
6	100	94	90	87	98	93	89	87	92	89	86	91	88	86	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	88	85	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1953762
5°	1801855
10°	1214208
15°	598668
20°	255740
25°	100544
30°	39593
35°	17346
40°	8372
45°	4047
50°	2226
55°	1204
60°	691
65°	467
70°	577
75°	0
80°	0
85°	0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P278314
CATALOG NUMBER: LDA2B058027D010 EU2B05NFL258027 2LBALD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.2	40.4
10°-20°	331.9	43.5
20°-30°	95.8	12.6
30°-40°	20.2	2.7
40°-50°	5.0	0.7
50°-60°	1.4	0.2
60°-70°	0.5	0.1
70°-80°	0.3	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°	736.0	96.4
0°-40°	756.2	99.1
0°-60°	762.6	99.9
0°-90°	763.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	763.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3960	
5°	3638	308
15°	1172	332
25°	185	96
35°	29	20
45°	6	5
55°	1	1
65°	0	1
75°	0	0
85°	0	0
90°	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P278314
CATALOG NUMBER: LDA2B058027D010 EU2B05NFL258027 2LBALD1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	3960.1
1°	3935.3
2°	3893.2
3°	3836.3
4°	3755.7
5°	3638.3
6°	3479.9
7°	3273.3
8°	3019.1
9°	2722.9
10°	2423.7
11°	2121.4
12°	1835.9
13°	1582.5
14°	1359.6
15°	1172.1
17.5°	774.7
20°	487.1
22.5°	299.5
25°	184.7
27.5°	112.7
30°	69.5
32.5°	43.9
35°	28.8
37.5°	19.1
40°	13.0
42.5°	9.0
45°	5.8
47.5°	3.6
50°	2.9
52.5°	2.2
55°	1.4
57.5°	1.1
60°	0.7
62.5°	0.7
65°	0.4
67.5°	0.4
70°	0.4
72.5°	0.4
75°	0.0
77.5°	0.4
80°	0.0
82.5°	0.0

TEST NUMBER: P278314
CATALOG NUMBER: LDA2B058027D010 EU2B05NFL258027 2LBALD1LI

CANDELA DISTRIBUTION (continued):

	0°
90°	*0.0*

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Report Generated By E9808895 / USPTCWHP6082093

0°-180°

85°	*0.0*
87.5°	*0.0*

(END OF REPORT)