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: P278012

Luminaire Tested: **LDA2B109024D010 EU2B10SP159024 2LBAD1MW**

Issue Date: 3/3/2020

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Test Information

Test Method:	LM-41-14
Report Number:	P278012
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1811-033-1)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LDA2B109024D010 EU2B10SP159024 2LBAD1MW
Description:	PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH SPOT OPTIC AND 2in ADJ spun Refl, Self-Flanged, MW
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	776.3 lumens
Efficiency:	N/A
Efficacy:	77.6 lumens/watt
Spacing Criteria (0/90/45):	0.28 / 0.28 / 0.28
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

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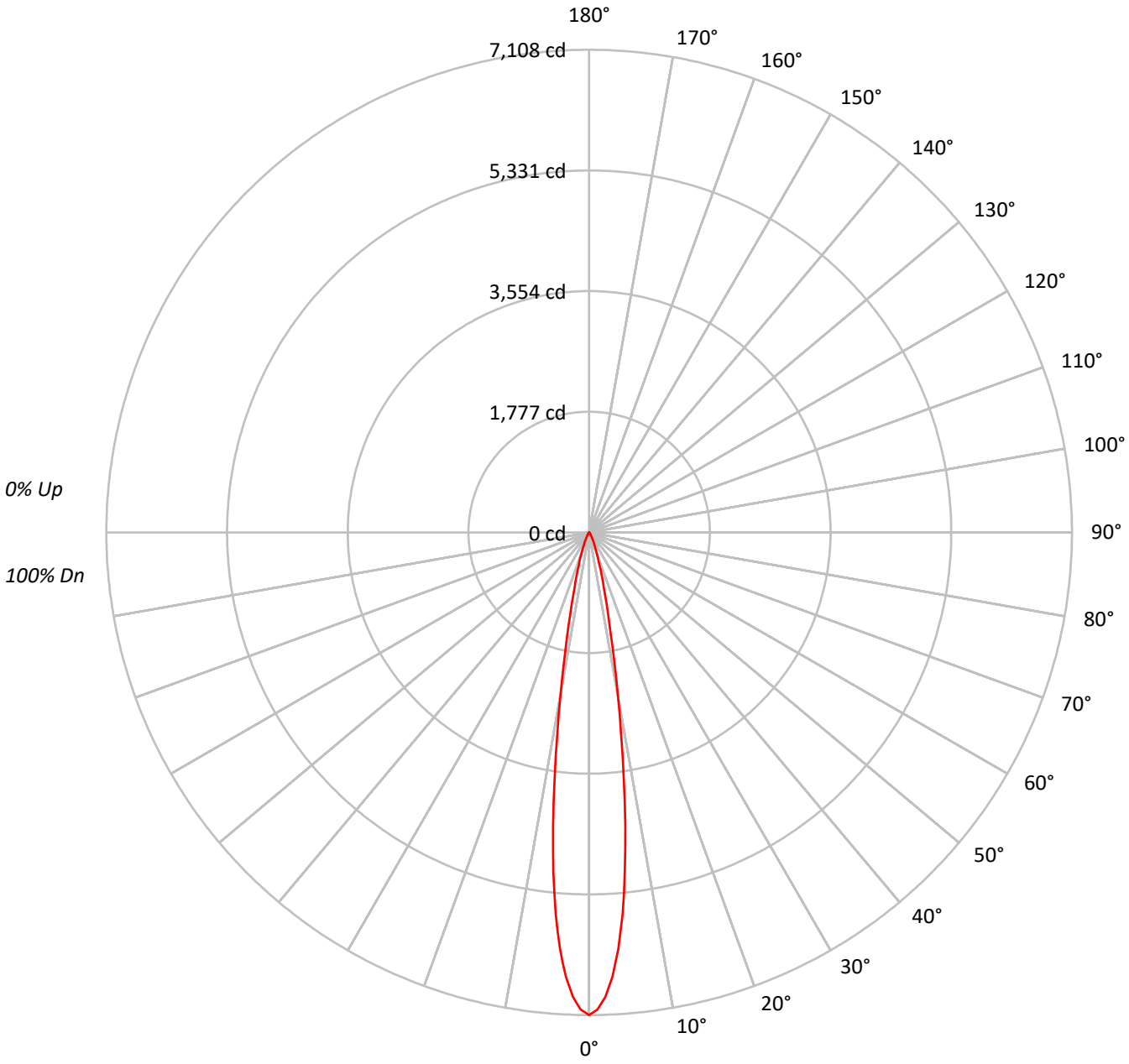
Luminous Intensity Polar Plot



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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	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92
5	104	99	96	93	103	99	95	93	97	94	92	96	93	91	94	92	91	90
6	102	97	93	91	101	96	93	91	95	92	90	94	91	89	93	91	89	88
7	100	95	91	89	99	94	91	88	93	90	88	92	90	88	91	89	87	86
8	98	93	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	85
9	96	91	87	85	95	90	87	85	90	87	85	89	86	84	88	86	84	83
10	94	89	86	83	94	89	85	83	88	85	83	87	85	83	87	85	83	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3507062
5°	2796062
10°	1213907
15°	419390
20°	171946
25°	77681
30°	31219
35°	14575
40°	7922
45°	2930
50°	1765
55°	1290
60°	789
65°	467
70°	577
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.7	55.0
10°-20°	256.2	33.0
20°-30°	70.5	9.1
30°-40°	16.8	2.2
40°-50°	4.1	0.5
50°-60°	1.4	0.2
60°-70°	0.5	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°	753.5	97.1
0°-40°	770.2	99.2
0°-60°	775.8	99.9
0°-90°	776.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7108	
5°	5646	427
15°	821	256
25°	143	71
35°	24	17
45°	4	4
55°	2	1
65°	0	1
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7108.5
1°	7029.9
2°	6841.6
3°	6554.3
4°	6148.9
5°	5645.8
6°	5031.4
7°	4358.3
8°	3651.1
9°	3000.6
10°	2423.1
11°	1934.1
12°	1539.4
13°	1241.4
14°	1004.4
15°	821.1
17.5°	509.7
20°	327.5
22.5°	214.8
25°	142.7
27.5°	91.7
30°	54.8
32.5°	34.5
35°	24.2
37.5°	17.6
40°	12.3
42.5°	7.3
45°	4.2
47.5°	3.1
50°	2.3
52.5°	1.9
55°	1.5
57.5°	1.2
60°	0.8
62.5°	0.8
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

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CANDELA DISTRIBUTION (continued):

	0°
90°	*0.0*

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0°-180°

85°	*0.0*
87.5°	*0.0*

(END OF REPORT)