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: P284027

Luminaire Tested: **LDA2B159050D010 EU2B15WFL559050 2LBALPINSQ1MW**

Issue Date: 3/3/2020

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Scaled Data Report

Test Information

Test Method:	LM-41-14
Report Number:	P284027
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-61)
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	io LED
Catalog Number:	LDA2B159050D010 EU2B15WFL559050 2LBALPINSQ1MW
Description:	PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND 2in Adj SQ Pinhole w-lens, MW

Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1091.8 lumens
Efficiency:	N/A
Efficacy:	77.4 lumens/watt
Spacing Criteria (0/90/45):	0.68 / 0.68 / 0.68
Luminous Opening:	Circular (Dia: 0.17' x H: 0')
CIE Type:	Direct

Input Watts (W):	14.1
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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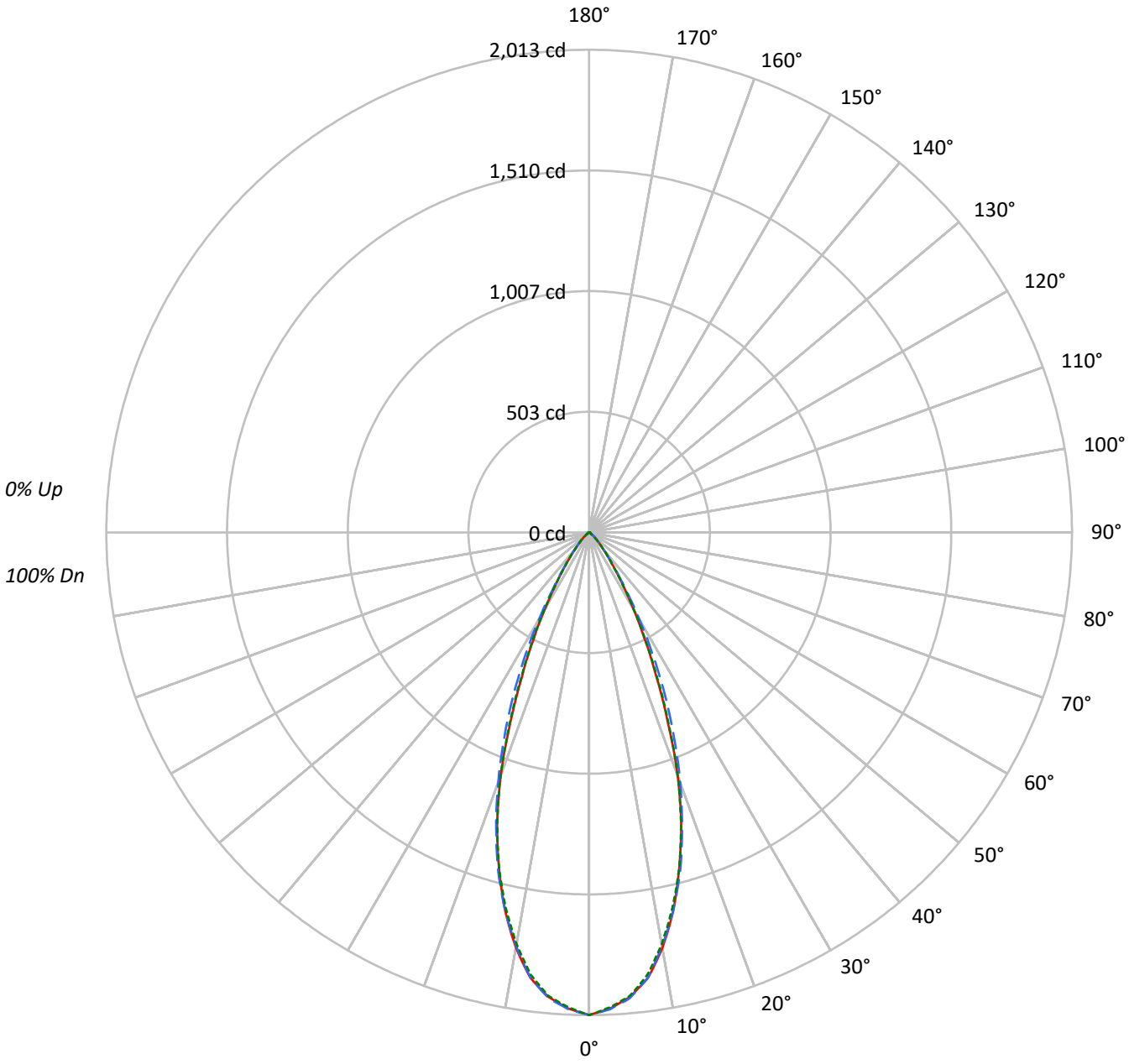
Luminous Intensity Polar Plot



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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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61
10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	993088	993088	993088
5°	963254	965582	961224
10°	881712	878205	872895
15°	741632	748527	740457
20°	567132	582200	566239
25°	360152	406041	367174
30°	209473	236476	213119
35°	110700	117807	111061
40°	58479	61119	58479
45°	32653	33909	33072
50°	15274	19342	15274
55°	5505	10580	6021
60°	6315	6315	6315
65°	6888	7471	6888
70°	8511	7645	8511
75°	7815	7815	7815
80°	8239	6535	8239
85°	6793	6793	6793

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.7	16.5
10°-20°	400.1	36.6
20°-30°	323.1	29.6
30°-40°	127.7	11.7
40°-50°	39.2	3.6
50°-60°	10.1	0.9
60°-70°	6.1	0.6
70°-80°	4.5	0.4
80°-90°	1.4	0.1
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°	902.9	82.7
0°-40°	1030.6	94.4
0°-60°	1079.9	98.9
0°-90°	1091.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1091.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2013	2013	2013	2013	2013	
5°	1945	1948	1950	1946	1941	180
15°	1452	1456	1466	1460	1450	399
25°	662	693	746	706	674	308
35°	184	189	196	190	184	123
45°	47	47	49	48	47	38
55°	6	9	12	9	7	8
65°	6	6	6	6	6	6
75°	4	4	4	4	4	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*2012.9*	*2012.9*	*2012.9*	*2012.9*	*2012.9*
2.5°	*1987.8*	1988.9	1990.7	1988.3	1982.5
5°	*1945.0*	1948.5	1949.7	1945.6	1940.9
7.5°	*1874.8*	1870.7	1874.2	1867.1	1861.3
10°	*1760.0*	1754.7	1753.0	1742.4	1742.4
12.5°	*1618.3*	1616.6	1617.7	1612.5	1604.3
15°	*1452.0*	1456.1	1465.5	1459.6	1449.7
17.5°	*1275.8*	1281.6	1289.8	1288.1	1274.6
20°	*1080.2*	1097.2	1108.9	1097.8	1078.5
22.5°	*857.8*	894.1	923.9	900.5	868.9
25°	*661.6*	693.2	745.9	706.1	674.5
27.5°	*501.8*	524.6	572.6	533.4	511.7
30°	*367.7*	381.7	415.1	389.4	374.1
32.5°	*262.9*	272.8	286.9	271.7	264.1
35°	*183.8*	189.1	195.6	189.7	184.4
37.5°	*129.4*	131.2	135.8	131.2	128.8
40°	*90.8*	91.3	94.9	91.9	90.8
42.5°	*65.6*	65.6	67.3	66.2	65.6
45°	*46.8*	47.4	48.6	48.0	47.4
47.5°	*33.4*	34.5	34.5	35.1	32.8
50°	*19.9*	24.6	25.2	24.6	19.9
52.5°	*10.5*	14.6	18.2	14.6	10.5
55°	*6.4*	8.8	12.3	8.8	7.0
57.5°	*6.4*	6.4	8.2	7.0	6.4
60°	*6.4*	6.4	6.4	6.4	6.4
62.5°	*6.4*	6.4	6.4	6.4	6.4
65°	*5.9*	6.4	6.4	6.4	5.9
67.5°	*5.9*	5.9	5.9	5.9	5.9
70°	*5.9*	5.9	5.3	5.9	5.9
72.5°	*5.3*	5.3	4.7	5.3	5.3
75°	*4.1*	4.1	4.1	4.1	4.1
77.5°	*3.5*	3.5	3.5	3.5	3.5
80°	*2.9*	2.9	2.3	2.9	2.9
82.5°	*1.8*	1.8	1.8	1.8	1.8
85°	*1.2*	1.2	1.2	1.2	1.2
87.5°	*0.6*	0.6	0.6	0.6	0.6
90°	*0.0*	0.0	0.0	0.0	0.0

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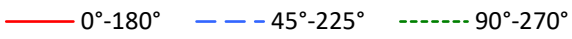
0°-180°
45°-225°
90°-270°

(END OF REPORT)