

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: P282292

Luminaire Tested: **LDA2B158030D010 EU2B15NFL258030 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P282292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1809-951-26)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LDA2B158030D010 EU2B15NFL258030 2LBAPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH NARROW FLOOD OPTIC AND 2in Adj SQ PinHole, MMS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1306.7 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.3 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

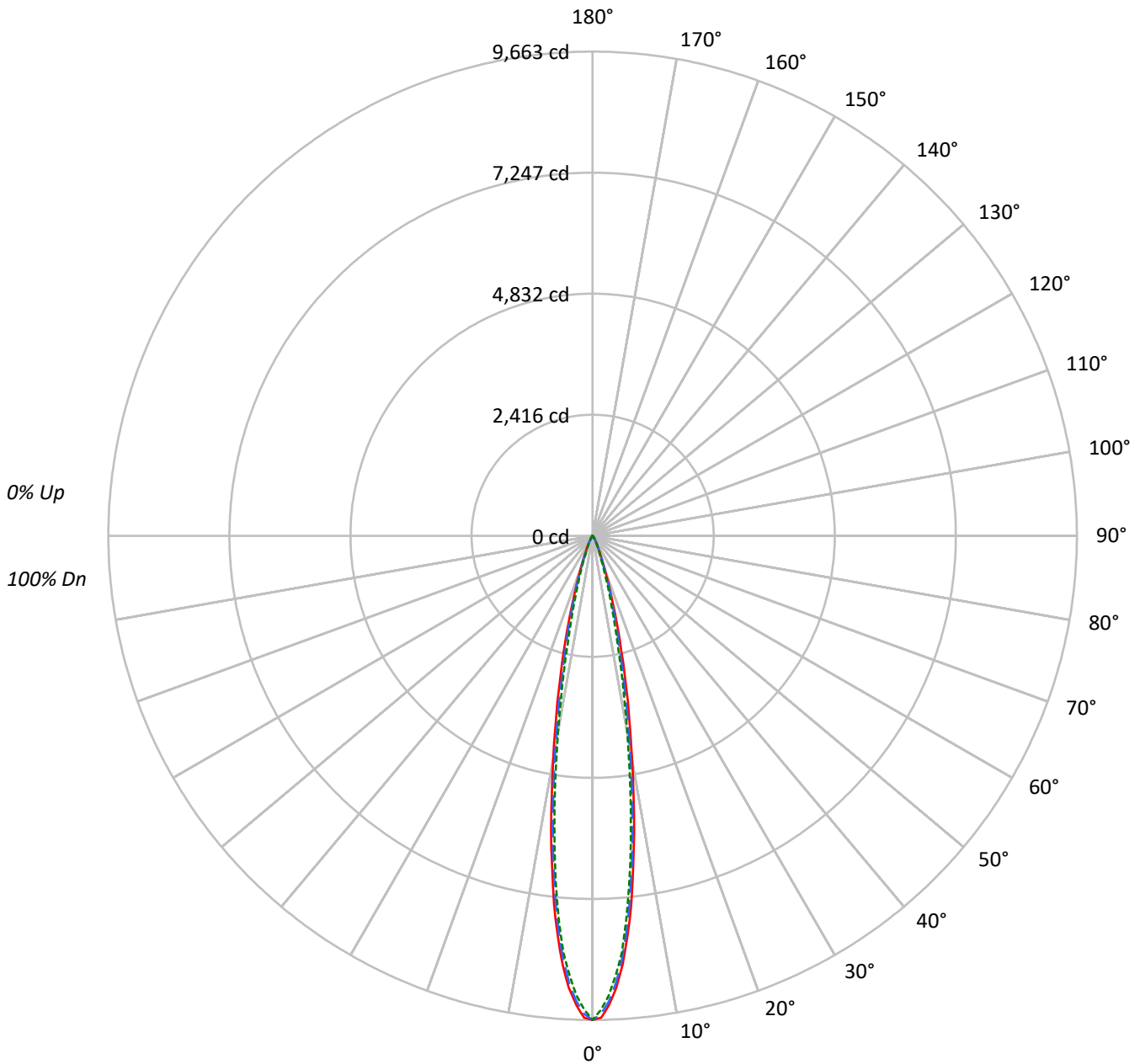
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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				100															
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97				97															
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95				95															
3	109	105	101	99	107	103	100	98	101	99	97	99	97	95	97	95	94	92				92															
4	106	101	98	95	105	100	97	94	98	96	93	96	94	92	95	93	91	90				90															
5	103	98	94	92	102	97	94	91	96	93	91	94	92	90	93	91	89	88				88															
6	101	95	92	89	100	95	91	89	93	90	88	92	90	88	91	89	87	86				86															
7	99	93	89	87	98	92	89	86	91	88	86	90	88	86	89	87	85	84				84															
8	96	91	87	85	96	90	87	84	89	86	84	88	86	84	88	85	83	83				83															
9	94	89	85	83	94	88	85	82	87	84	82	87	84	82	86	84	82	81				81															
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	79				79															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4767207	4767207	4767207
5°	3966775	3894073	3815477
10°	2272162	2132140	1989914
15°	1010601	897569	752154
20°	366625	344679	273118
25°	140773	131464	113173
30°	60728	56456	50075
35°	28729	28729	23790
40°	14426	14877	11979
45°	8303	7814	7256
50°	5757	5142	5142
55°	4473	3183	3871
60°	3651	2171	2960
65°	2568	1751	2568
70°	2164	1010	2164
75°	1334	1334	1334
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.5	48.1
10°-20°	508.6	38.9
20°-30°	122.6	9.4
30°-40°	31.3	2.4
40°-50°	9.3	0.7
50°-60°	4.0	0.3
60°-70°	1.9	0.1
70°-80°	0.6	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°	1259.7	96.4
0°-40°	1290.9	98.8
0°-60°	1304.2	99.8
0°-90°	1306.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9663	9663	9663	9663	9663	
5°	8010	7936	7863	7794	7704	648
15°	1979	1932	1757	1583	1473	564
25°	259	260	242	219	208	134
35°	48	48	48	43	40	33
45°	12	12	11	10	10	10
55°	5	4	4	4	4	5
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9662.7	9662.7	9662.7	9662.7	9662.7
1°	9619.4	9552.4	9544.2	9585.9	9462.9
2°	9373.5	9325.8	9298.3	9322.8	9183.5
3°	9035.9	8989.7	8939.8	8940.5	8784.8
4°	8576.1	8539.6	8455.4	8430.1	8339.9
5°	8009.7	7936.0	7862.9	7794.4	7704.2
6°	7383.8	7288.4	7184.0	7081.9	6989.5
7°	6647.5	6584.1	6446.3	6306.9	6228.6
8°	5955.1	5853.0	5692.1	5517.7	5451.4
9°	5210.7	5137.6	4952.8	4750.1	4683.8
10°	4535.5	4459.5	4256.0	4030.2	3972.1
11°	3902.0	3830.5	3618.8	3381.9	3320.0
12°	3366.2	3264.9	3021.9	2816.2	2755.9
13°	2832.6	2763.3	2533.0	2329.6	2212.6
14°	2378.8	2321.4	2112.7	1933.9	1810.2
15°	1978.6	1931.6	1757.3	1582.9	1472.6
16°	1623.1	1594.0	1456.2	1287.8	1197.6
17°	1316.8	1290.0	1202.1	1047.1	971.0
18°	1063.4	1059.7	986.7	852.5	784.7
19°	874.9	873.4	806.3	693.8	637.9
20°	698.3	708.0	656.5	558.2	520.2
21°	569.4	574.6	533.6	459.1	424.8
22°	463.5	467.3	440.4	379.3	360.7
23°	380.1	382.3	359.9	314.5	298.1
24°	313.0	314.5	294.4	262.3	248.2
25°	258.6	260.1	241.5	219.1	207.9
26°	214.6	216.1	199.7	184.1	172.9
27°	178.1	181.1	164.7	155.0	143.1
28°	152.0	152.8	137.9	131.9	120.7
29°	124.5	128.9	116.3	111.0	102.8
30°	106.6	108.8	99.1	95.4	87.9
32.5°	70.8	72.3	67.8	64.8	58.9
35°	47.7	48.4	47.7	43.2	39.5
37.5°	32.8	32.8	33.5	28.3	26.8
40°	22.4	22.4	23.1	19.4	18.6
42.5°	16.4	16.4	15.6	13.4	13.4
45°	11.9	11.9	11.2	10.4	10.4
47.5°	9.7	8.9	8.2	8.2	8.2
50°	7.5	7.5	6.7	6.0	6.7
52.5°	6.0	6.0	5.2	5.2	5.2
55°	5.2	4.5	3.7	3.7	4.5
57.5°	3.7	3.7	3.0	3.0	3.7
60°	3.7	3.0	2.2	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	2.2	1.5	1.5	1.5	1.5
70°	1.5	1.5	0.7	0.7	1.5
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.0	0.0	0.7
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270°







62.5°	3.0	2.2	2.2	2.2	2.2
65°	2.2	2.2	1.5	1.5	2.2



(END OF REPORT)