

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: P283974

Luminaire Tested: **LDA2B158030D010 EU2B15WFL558030 2LBALPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283974
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: LDA2B158030D010 EU2B15WFL558030 2LBALPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1195.7 lumens
Efficiency: N/A
Efficacy: 84.8 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

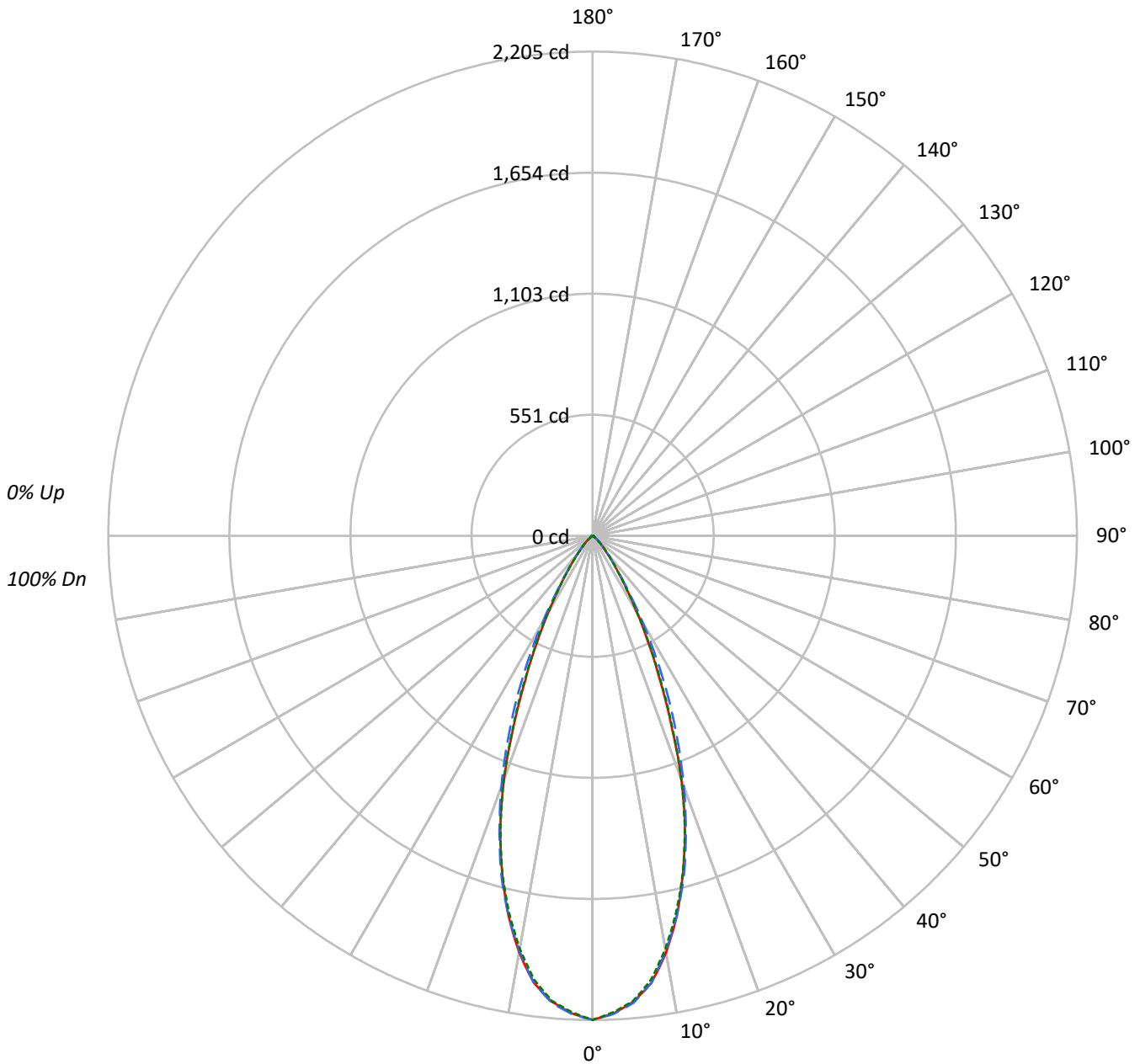
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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°	1087665	1087665	1087665
5°	1054974	1057500	1052745
10°	965675	961817	956006
15°	812271	819779	810943
20°	621157	637642	620159
25°	394447	444691	402122
30°	229412	258979	233457
35°	121240	129009	121661
40°	64017	66916	64017
45°	35793	37119	36212
50°	16732	21184	16732
55°	6107	11612	6623
60°	7006	7006	7006
65°	7471	8288	7471
70°	9232	8366	9232
75°	8578	8578	8578
80°	9092	7387	9092
85°	7359	7359	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.8	16.5
10°-20°	438.2	36.6
20°-30°	353.9	29.6
30°-40°	139.9	11.7
40°-50°	42.9	3.6
50°-60°	11.1	0.9
60°-70°	6.7	0.6
70°-80°	4.9	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°	988.8	82.7
0°-40°	1128.7	94.4
0°-60°	1182.7	98.9
0°-90°	1195.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1195.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2205	2205	2205	2205	2205	
5°	2130	2134	2135	2131	2126	197
15°	1590	1595	1605	1599	1588	437
25°	725	759	817	773	739	337
35°	201	207	214	208	202	135
45°	51	52	53	53	52	42
55°	7	10	14	10	8	9
65°	6	7	7	7	6	7
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°	2204.6	2204.6	2204.6	2204.6	2204.6
2.5°	2177.0	2178.3	2180.2	2177.6	2171.2
5°	2130.2	2134.0	2135.3	2130.8	2125.7
7.5°	2053.2	2048.8	2052.6	2044.9	2038.5
10°	1927.6	1921.8	1919.9	1908.3	1908.3
12.5°	1772.4	1770.5	1771.7	1766.0	1757.0
15°	1590.3	1594.8	1605.0	1598.6	1587.7
17.5°	1397.3	1403.7	1412.6	1410.7	1396.0
20°	1183.1	1201.7	1214.5	1202.3	1181.2
22.5°	939.4	979.2	1011.9	986.2	951.6
25°	724.6	759.2	816.9	773.3	738.7
27.5°	549.5	574.5	627.1	584.2	560.4
30°	402.7	418.1	454.6	426.4	409.8
32.5°	287.9	298.8	314.2	297.5	289.2
35°	201.3	207.1	214.2	207.8	202.0
37.5°	141.7	143.6	148.8	143.6	141.1
40°	99.4	100.0	103.9	100.7	99.4
42.5°	71.8	71.8	73.7	72.5	71.8
45°	51.3	51.9	53.2	52.6	51.9
47.5°	36.6	37.8	37.8	38.5	35.9
50°	21.8	26.9	27.6	26.9	21.8
52.5°	11.5	16.0	19.9	16.0	11.5
55°	7.1	9.6	13.5	9.6	7.7
57.5°	7.1	7.1	9.0	7.7	7.1
60°	7.1	7.1	7.1	7.1	7.1
62.5°	7.1	7.1	7.1	7.1	7.1
65°	6.4	7.1	7.1	7.1	6.4
67.5°	6.4	6.4	6.4	6.4	6.4
70°	6.4	6.4	5.8	6.4	6.4
72.5°	5.8	5.8	5.1	5.8	5.8
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.8	3.8	3.8	3.8	3.8
80°	3.2	3.2	2.6	3.2	3.2
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.3	1.3	1.3	1.3	1.3
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)