

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: P283969

Luminaire Tested: **LDA2B158027D010 EU2B15WFL558027 2LBALPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283969
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: LDA2B158027D010 EU2B15WFL558027 2LBALPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1193.3 lumens
Efficiency: N/A
Efficacy: 84.6 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

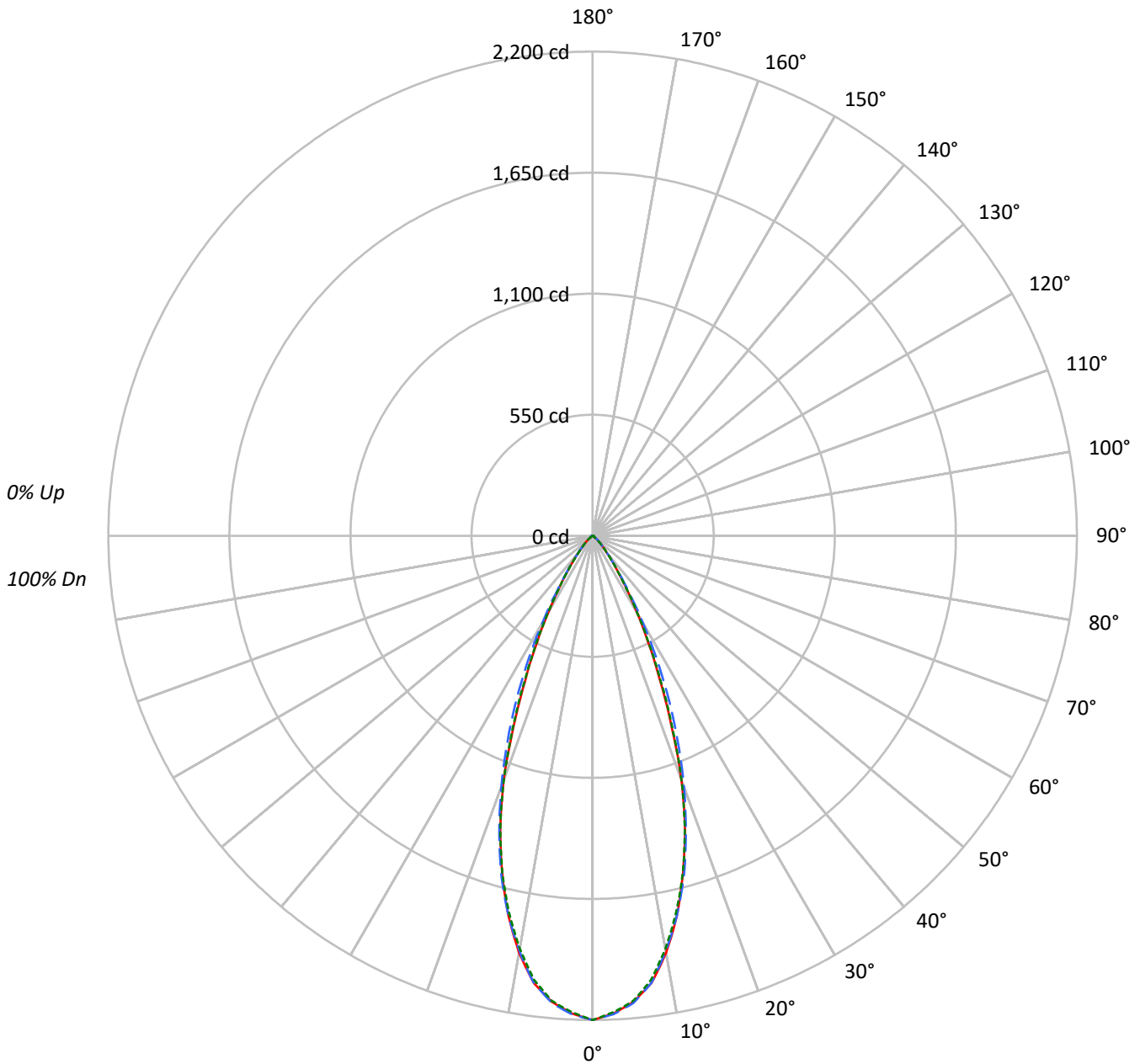
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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																			
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°	1085495	1085495	1085495
5°	1052844	1055419	1050665
10°	963721	959864	954102
15°	810636	818145	809308
20°	619897	636382	618899
25°	393684	443820	401306
30°	228956	258466	232944
35°	120999	128708	121420
40°	63889	66787	63889
45°	35723	37049	36142
50°	16732	21107	16732
55°	6021	11526	6623
60°	6907	6907	6907
65°	7471	8172	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°	196.4	16.5
10°-20°	437.3	36.6
20°-30°	353.2	29.6
30°-40°	139.6	11.7
40°-50°	42.9	3.6
50°-60°	11.0	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°	986.8	82.7
0°-40°	1126.4	94.4
0°-60°	1180.3	98.9
0°-90°	1193.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1193.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2200	2200	2200	2200	2200	
5°	2126	2130	2131	2127	2122	197
15°	1587	1592	1602	1595	1584	436
25°	723	758	815	772	737	337
35°	201	207	214	207	202	135
45°	51	52	53	52	52	42
55°	7	10	13	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°	2200.2	2200.2	2200.2	2200.2	2200.2
2.5°	2172.7	2173.9	2175.9	2173.3	2166.9
5°	2125.9	2129.8	2131.1	2126.6	2121.5
7.5°	2049.1	2044.7	2048.5	2040.8	2034.4
10°	1923.7	1917.9	1916.0	1904.5	1904.5
12.5°	1768.8	1766.9	1768.2	1762.4	1753.5
15°	1587.1	1591.6	1601.8	1595.4	1584.5
17.5°	1394.5	1400.9	1409.8	1407.9	1393.2
20°	1180.7	1199.3	1212.1	1199.9	1178.8
22.5°	937.5	977.2	1009.9	984.3	949.7
25°	723.2	757.7	815.3	771.8	737.2
27.5°	548.4	573.4	625.9	583.0	559.3
30°	401.9	417.3	453.7	425.6	408.9
32.5°	287.3	298.2	313.6	296.9	288.6
35°	200.9	206.7	213.7	207.3	201.6
37.5°	141.4	143.4	148.5	143.4	140.8
40°	99.2	99.8	103.7	100.5	99.2
42.5°	71.7	71.7	73.6	72.3	71.7
45°	51.2	51.8	53.1	52.5	51.8
47.5°	36.5	37.8	37.8	38.4	35.8
50°	21.8	26.9	27.5	26.9	21.8
52.5°	11.5	16.0	19.8	16.0	11.5
55°	7.0	9.6	13.4	9.6	7.7
57.5°	7.0	7.0	9.0	7.7	7.0
60°	7.0	7.0	7.0	7.0	7.0
62.5°	7.0	7.0	7.0	7.0	7.0
65°	6.4	7.0	7.0	7.0	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)