

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: P283886

Luminaire Tested: **LDA2B108030D010 EU2B10WFL558030 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283886
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: LDA2B108030D010 EU2B10WFL558030 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 996.4 lumens
Efficiency: N/A
Efficacy: 99.6 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

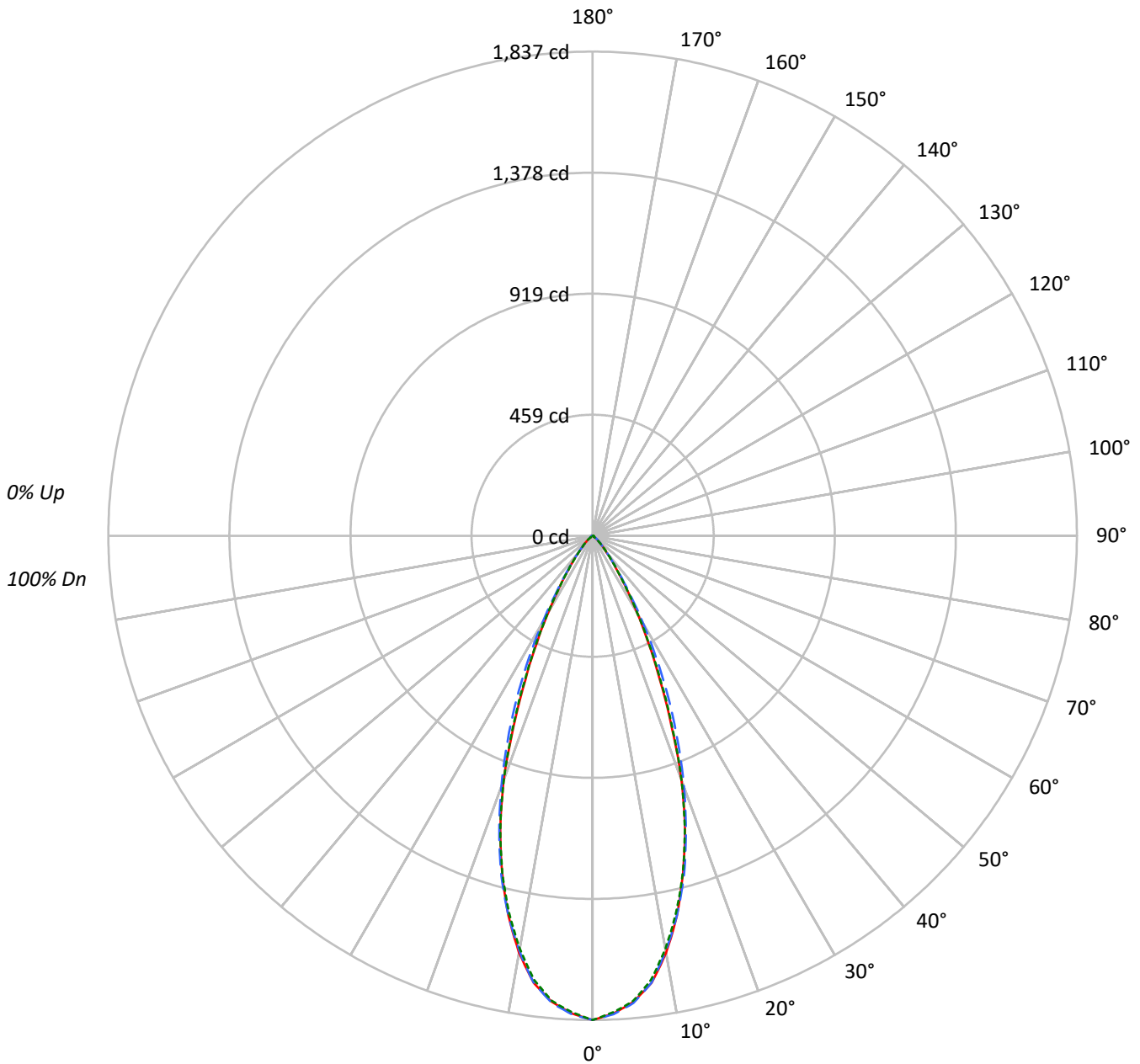
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	906355	906355	906355
5°	879112	881241	877279
10°	804712	801456	796647
15°	676867	683149	675794
20°	517622	531377	516782
25°	328687	370603	335111
30°	191186	215854	194547
35°	101063	107508	101364
40°	53326	55774	53326
45°	29793	30979	30211
50°	13969	17653	13969
55°	5075	9634	5505
60°	5822	5822	5822
65°	6187	6888	6187
70°	7645	6924	7645
75°	7053	7053	7053
80°	7671	5966	7671
85°	6227	6227	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	16.5
10°-20°	365.1	36.6
20°-30°	294.9	29.6
30°-40°	116.5	11.7
40°-50°	35.8	3.6
50°-60°	9.2	0.9
60°-70°	5.6	0.6
70°-80°	4.1	0.4
80°-90°	1.2	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°	824.0	82.7
0°-40°	940.5	94.4
0°-60°	985.6	98.9
0°-90°	996.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	996.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1837	1837	1837	1837	1837	
5°	1775	1778	1779	1776	1771	164
15°	1325	1329	1338	1332	1323	364
25°	604	633	681	644	616	281
35°	168	173	178	173	168	112
45°	43	43	44	44	43	35
55°	6	8	11	8	6	7
65°	5	6	6	6	5	5
75°	4	4	4	4	4	4
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°	1837.1	1837.1	1837.1	1837.1	1837.1
2.5°	1814.1	1815.2	1816.8	1814.7	1809.3
5°	1775.1	1778.3	1779.4	1775.7	1771.4
7.5°	1711.0	1707.3	1710.5	1704.0	1698.7
10°	1606.3	1601.5	1599.8	1590.2	1590.2
12.5°	1476.9	1475.3	1476.4	1471.6	1464.1
15°	1325.2	1328.9	1337.5	1332.1	1323.1
17.5°	1164.4	1169.7	1177.2	1175.6	1163.3
20°	985.9	1001.4	1012.1	1001.9	984.3
22.5°	782.8	816.0	843.2	821.8	793.0
25°	603.8	632.7	680.8	644.4	615.6
27.5°	457.9	478.8	522.6	486.8	467.0
30°	335.6	348.4	378.9	355.3	341.5
32.5°	239.9	249.0	261.8	247.9	241.0
35°	167.8	172.6	178.5	173.1	168.3
37.5°	118.1	119.7	124.0	119.7	117.6
40°	82.8	83.4	86.6	83.9	82.8
42.5°	59.8	59.8	61.5	60.4	59.8
45°	42.7	43.3	44.4	43.8	43.3
47.5°	30.5	31.5	31.5	32.1	29.9
50°	18.2	22.4	23.0	22.4	18.2
52.5°	9.6	13.4	16.6	13.4	9.6
55°	5.9	8.0	11.2	8.0	6.4
57.5°	5.9	5.9	7.5	6.4	5.9
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.3	5.9	5.9	5.9	5.3
67.5°	5.3	5.3	5.3	5.3	5.3
70°	5.3	5.3	4.8	5.3	5.3
72.5°	4.8	4.8	4.3	4.8	4.8
75°	3.7	3.7	3.7	3.7	3.7
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.7	2.7	2.1	2.7	2.7
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)