

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: P283924

Luminaire Tested: **LDA2B109030D010 EU2B10WFL559030 2LBAPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283924
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: LDA2B109030D010 EU2B10WFL559030 2LBAPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ PinHole, MMS

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 796.0 lumens
Efficiency: N/A
Efficacy: 79.6 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

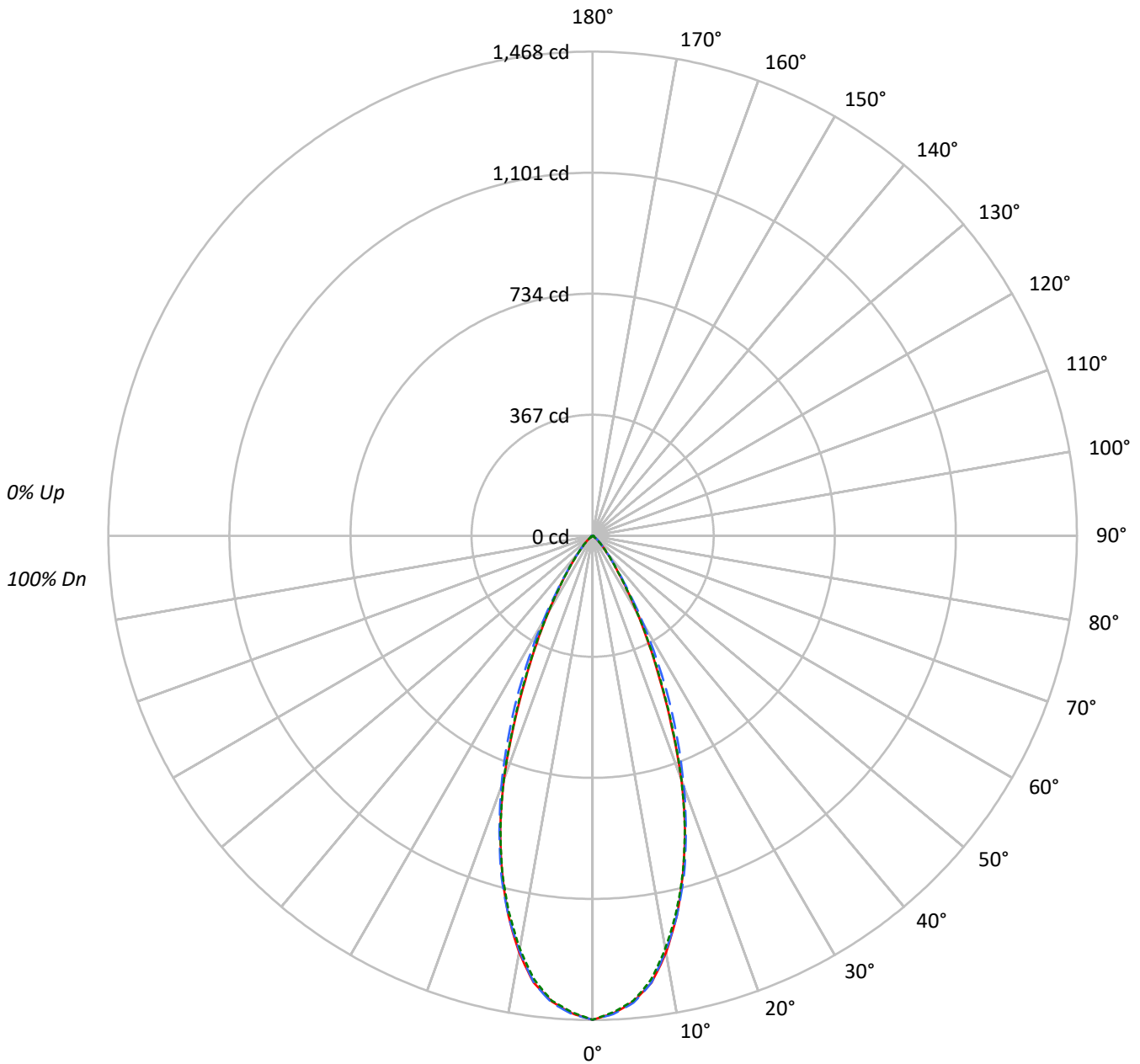
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	724008	724008	724008
5°	702259	703943	700774
10°	642798	640243	636386
15°	540697	545702	539828
20°	413457	424482	412827
25°	262547	296025	267664
30°	152733	172387	155410
35°	80706	85886	81007
40°	42635	44567	42635
45°	23792	24699	24141
50°	11129	14123	11129
55°	4043	7741	4387
60°	4638	4638	4638
65°	5020	5487	5020
70°	6203	5481	6203
75°	5719	5719	5719
80°	5966	4830	5966
85°	5095	5095	5095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	16.5
10°-20°	291.7	36.6
20°-30°	235.6	29.6
30°-40°	93.1	11.7
40°-50°	28.6	3.6
50°-60°	7.4	0.9
60°-70°	4.5	0.6
70°-80°	3.3	0.4
80°-90°	1.0	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°	658.2	82.7
0°-40°	751.3	94.4
0°-60°	787.3	98.9
0°-90°	796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1468	1468	1468	1468	1468	
5°	1418	1421	1421	1418	1415	131
15°	1059	1062	1068	1064	1057	291
25°	482	505	544	515	492	225
35°	134	138	143	138	134	90
45°	34	35	35	35	35	28
55°	5	6	9	6	5	6
65°	4	5	5	5	4	4
75°	3	3	3	3	3	3
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°	1467.5	1467.5	1467.5	1467.5	1467.5
2.5°	1449.2	1450.0	1451.3	1449.6	1445.3
5°	1418.0	1420.6	1421.4	1418.4	1415.0
7.5°	1366.8	1363.8	1366.4	1361.2	1357.0
10°	1283.1	1279.3	1278.0	1270.3	1270.3
12.5°	1179.8	1178.5	1179.4	1175.6	1169.6
15°	1058.6	1061.6	1068.4	1064.1	1056.9
17.5°	930.1	934.4	940.4	939.1	929.3
20°	787.5	799.9	808.5	800.3	786.3
22.5°	625.3	651.8	673.6	656.5	633.4
25°	482.3	505.4	543.8	514.8	491.7
27.5°	365.8	382.5	417.5	388.9	373.1
30°	268.1	278.3	302.6	283.9	272.8
32.5°	191.7	198.9	209.2	198.1	192.5
35°	134.0	137.9	142.6	138.3	134.5
37.5°	94.3	95.6	99.0	95.6	93.9
40°	66.2	66.6	69.2	67.0	66.2
42.5°	47.8	47.8	49.1	48.2	47.8
45°	34.1	34.6	35.4	35.0	34.6
47.5°	24.3	25.2	25.2	25.6	23.9
50°	14.5	17.9	18.4	17.9	14.5
52.5°	7.7	10.7	13.2	10.7	7.7
55°	4.7	6.4	9.0	6.4	5.1
57.5°	4.7	4.7	6.0	5.1	4.7
60°	4.7	4.7	4.7	4.7	4.7
62.5°	4.7	4.7	4.7	4.7	4.7
65°	4.3	4.7	4.7	4.7	4.3
67.5°	4.3	4.3	4.3	4.3	4.3
70°	4.3	4.3	3.8	4.3	4.3
72.5°	3.8	3.8	3.4	3.8	3.8
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.6	2.6	2.6	2.6	2.6
80°	2.1	2.1	1.7	2.1	2.1
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)