

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: P283961

Luminaire Tested: **LDA2B10D2WD010 EU2B10WFL55D2W 2LBALPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283961
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: LDA2B10D2WD010 EU2B10WFL55D2W 2LBALPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1000 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND
2in Adj SQ Pinhole w-lens, MW

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 698.6 lumens
Efficiency: N/A
Efficacy: 69.9 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

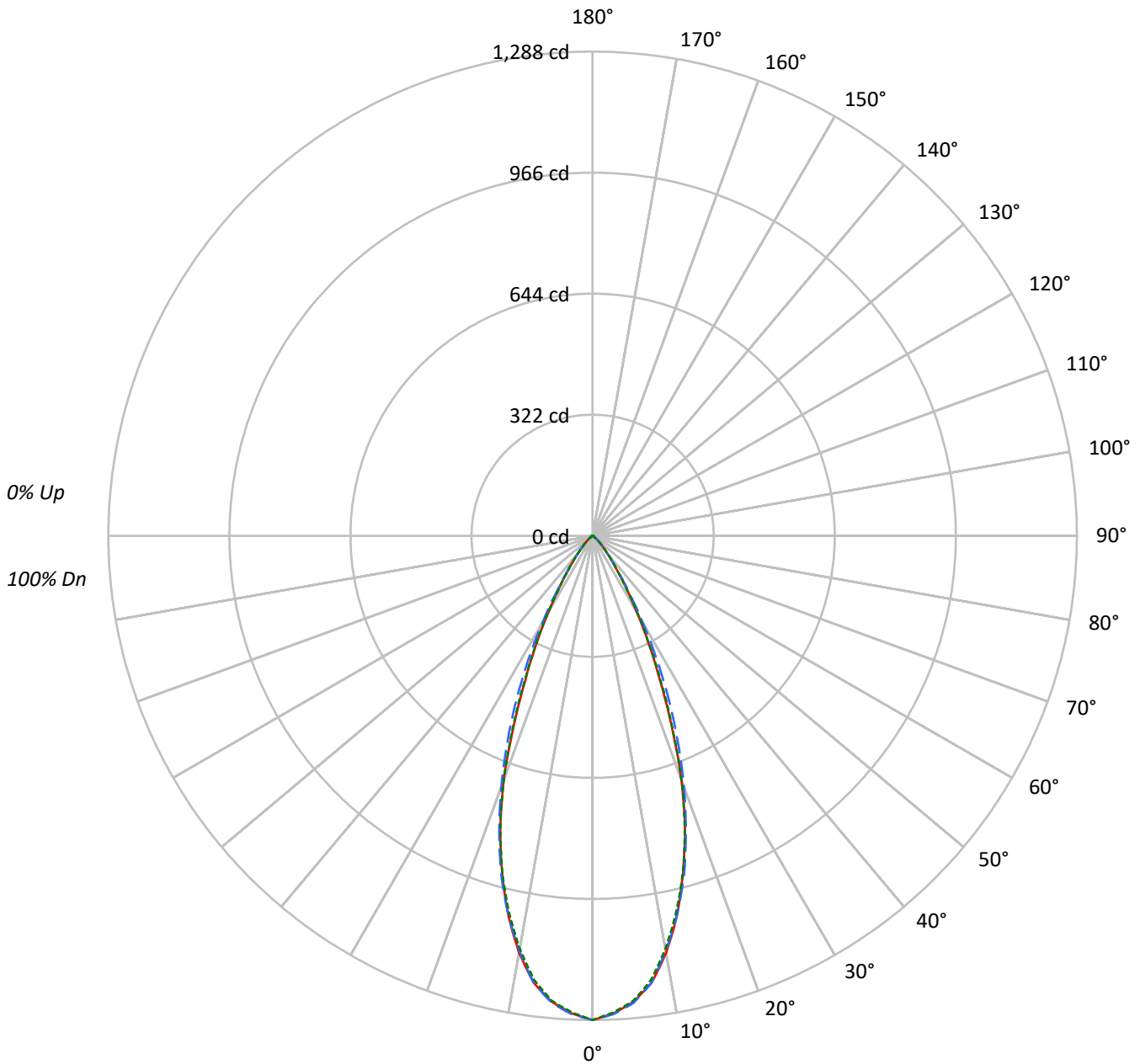
Input Watts (W): 10
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	635549	635549	635549
5°	616433	617919	615145
10°	564246	561991	558635
15°	474603	478996	473837
20°	362950	372610	362372
25°	230484	259880	234948
30°	134047	151365	136383
35°	70889	75346	71069
40°	37419	39093	37419
45°	20932	21699	21141
50°	9748	12357	9748
55°	3527	6795	3871
60°	4046	4046	4046
65°	4319	4786	4319
70°	5337	4904	5337
75°	4956	4956	4956
80°	5398	4262	5398
85°	3962	3962	3962



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	16.5
10°-20°	256.0	36.6
20°-30°	206.8	29.6
30°-40°	81.7	11.7
40°-50°	25.1	3.6
50°-60°	6.5	0.9
60°-70°	3.9	0.6
70°-80°	2.9	0.4
80°-90°	0.8	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°	577.8	82.7
0°-40°	659.5	94.4
0°-60°	691.0	98.9
0°-90°	698.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1288	1288	1288	1288	1288	
5°	1245	1247	1248	1245	1242	115
15°	929	932	938	934	928	255
25°	423	444	477	452	432	197
35°	118	121	125	121	118	79
45°	30	30	31	31	30	24
55°	4	6	8	6	4	5
65°	4	4	4	4	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°	1288.2	1288.2	1288.2	1288.2	1288.2
2.5°	1272.1	1272.8	1273.9	1272.4	1268.7
5°	1244.7	1247.0	1247.7	1245.1	1242.1
7.5°	1199.8	1197.1	1199.4	1194.9	1191.1
10°	1126.3	1122.9	1121.8	1115.1	1115.1
12.5°	1035.6	1034.5	1035.3	1031.9	1026.6
15°	929.2	931.9	937.8	934.1	927.7
17.5°	816.4	820.2	825.4	824.3	815.7
20°	691.3	702.2	709.7	702.5	690.2
22.5°	548.9	572.2	591.3	576.3	556.0
25°	423.4	443.6	477.4	451.9	431.6
27.5°	321.1	335.7	366.4	341.3	327.5
30°	235.3	244.3	265.7	249.2	239.4
32.5°	168.2	174.6	183.6	173.9	169.0
35°	117.7	121.0	125.1	121.4	118.0
37.5°	82.8	83.9	86.9	83.9	82.4
40°	58.1	58.5	60.7	58.8	58.1
42.5°	42.0	42.0	43.1	42.3	42.0
45°	30.0	30.3	31.1	30.7	30.3
47.5°	21.4	22.1	22.1	22.5	21.0
50°	12.7	15.7	16.1	15.7	12.7
52.5°	6.7	9.4	11.6	9.4	6.7
55°	4.1	5.6	7.9	5.6	4.5
57.5°	4.1	4.1	5.2	4.5	4.1
60°	4.1	4.1	4.1	4.1	4.1
62.5°	4.1	4.1	4.1	4.1	4.1
65°	3.7	4.1	4.1	4.1	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	3.7	3.7	3.4	3.7	3.7
72.5°	3.4	3.4	3.0	3.4	3.4
75°	2.6	2.6	2.6	2.6	2.6
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.9	1.9	1.5	1.9	1.9
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.7	0.7	0.7	0.7	0.7
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)