

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: P283951

Luminaire Tested: **LDA2B109727D010 EU2B10WFL559727 2LBALPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283951
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: LDA2B109727D010 EU2B10WFL559727 2LBALPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1000 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: 635.9 lumens
Efficiency: N/A
Efficacy: 63.6 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

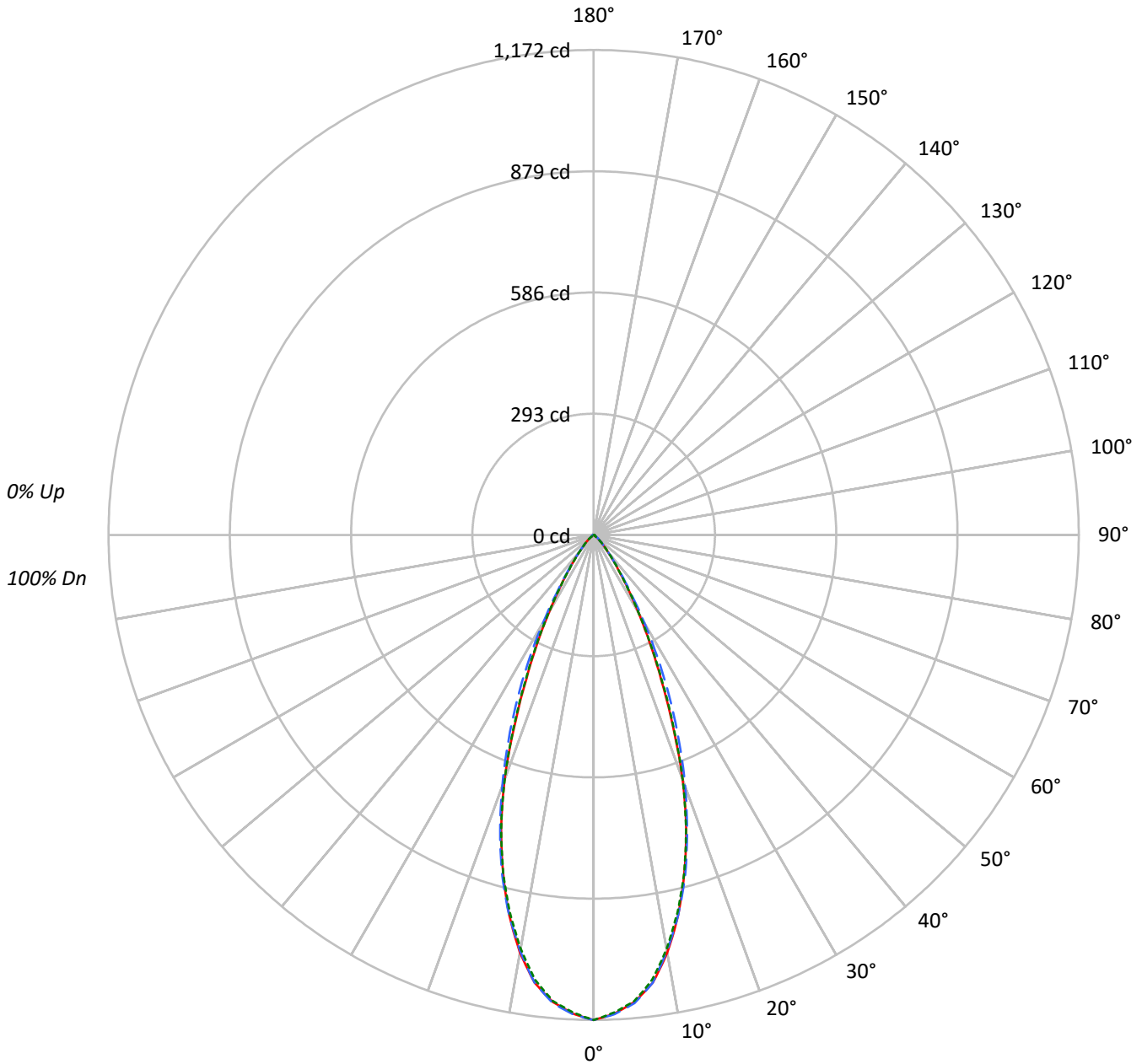
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	578417	578417	578417
5°	561065	562402	559876
10°	513547	511493	508437
15°	431955	435990	431291
20°	330346	339113	329820
25°	209798	236526	213881
30°	122027	137750	124134
35°	64505	68600	64685
40°	34070	35551	34070
45°	19048	19745	19257
50°	8903	11283	8903
55°	3269	6193	3527
60°	3750	3750	3750
65°	3969	4436	3969
70°	4904	4472	4904
75°	4575	4575	4575
80°	4830	3978	4830
85°	3962	3962	3962



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	16.5
10°-20°	233.0	36.6
20°-30°	188.2	29.6
30°-40°	74.4	11.7
40°-50°	22.8	3.6
50°-60°	5.9	0.9
60°-70°	3.6	0.6
70°-80°	2.6	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°	525.9	82.7
0°-40°	600.3	94.4
0°-60°	629.0	98.9
0°-90°	635.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1172	1172	1172	1172	1172	
5°	1133	1135	1136	1133	1130	105
15°	846	848	854	850	844	232
25°	385	404	434	411	393	179
35°	107	110	114	110	107	72
45°	27	28	28	28	28	22
55°	4	5	7	5	4	5
65°	3	4	4	4	3	4
75°	2	2	2	2	2	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°	1172.4	1172.4	1172.4	1172.4	1172.4
2.5°	1157.8	1158.5	1159.5	1158.1	1154.7
5°	1132.9	1134.9	1135.6	1133.2	1130.5
7.5°	1092.0	1089.6	1091.6	1087.5	1084.1
10°	1025.1	1022.1	1021.0	1014.9	1014.9
12.5°	942.6	941.6	942.3	939.2	934.4
15°	845.7	848.1	853.6	850.2	844.4
17.5°	743.1	746.5	751.3	750.3	742.4
20°	629.2	639.1	645.9	639.4	628.2
22.5°	499.6	520.7	538.1	524.5	506.1
25°	385.4	403.8	434.5	411.3	392.9
27.5°	292.3	305.6	333.5	310.7	298.1
30°	214.2	222.3	241.8	226.8	217.9
32.5°	153.1	158.9	167.1	158.2	153.8
35°	107.1	110.2	113.9	110.5	107.4
37.5°	75.4	76.4	79.1	76.4	75.0
40°	52.9	53.2	55.2	53.5	52.9
42.5°	38.2	38.2	39.2	38.5	38.2
45°	27.3	27.6	28.3	28.0	27.6
47.5°	19.4	20.1	20.1	20.5	19.1
50°	11.6	14.3	14.7	14.3	11.6
52.5°	6.1	8.5	10.6	8.5	6.1
55°	3.8	5.1	7.2	5.1	4.1
57.5°	3.8	3.8	4.8	4.1	3.8
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.8	3.8	3.8	3.8	3.8
65°	3.4	3.8	3.8	3.8	3.4
67.5°	3.4	3.4	3.4	3.4	3.4
70°	3.4	3.4	3.1	3.4	3.4
72.5°	3.1	3.1	2.7	3.1	3.1
75°	2.4	2.4	2.4	2.4	2.4
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.7	1.7	1.4	1.7	1.7
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.3	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)