

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: P283988

Luminaire Tested: **LDA2B158050D010 EU2B15WFL558050 2LBAPINSQ1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283988
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: LDA2B158050D010 EU2B15WFL558050 2LBAPINSQ1MW
Description: PORTFOLIO 2IN ADJ 1500 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: 1386.3 lumens
Efficiency: N/A
Efficacy: 98.3 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

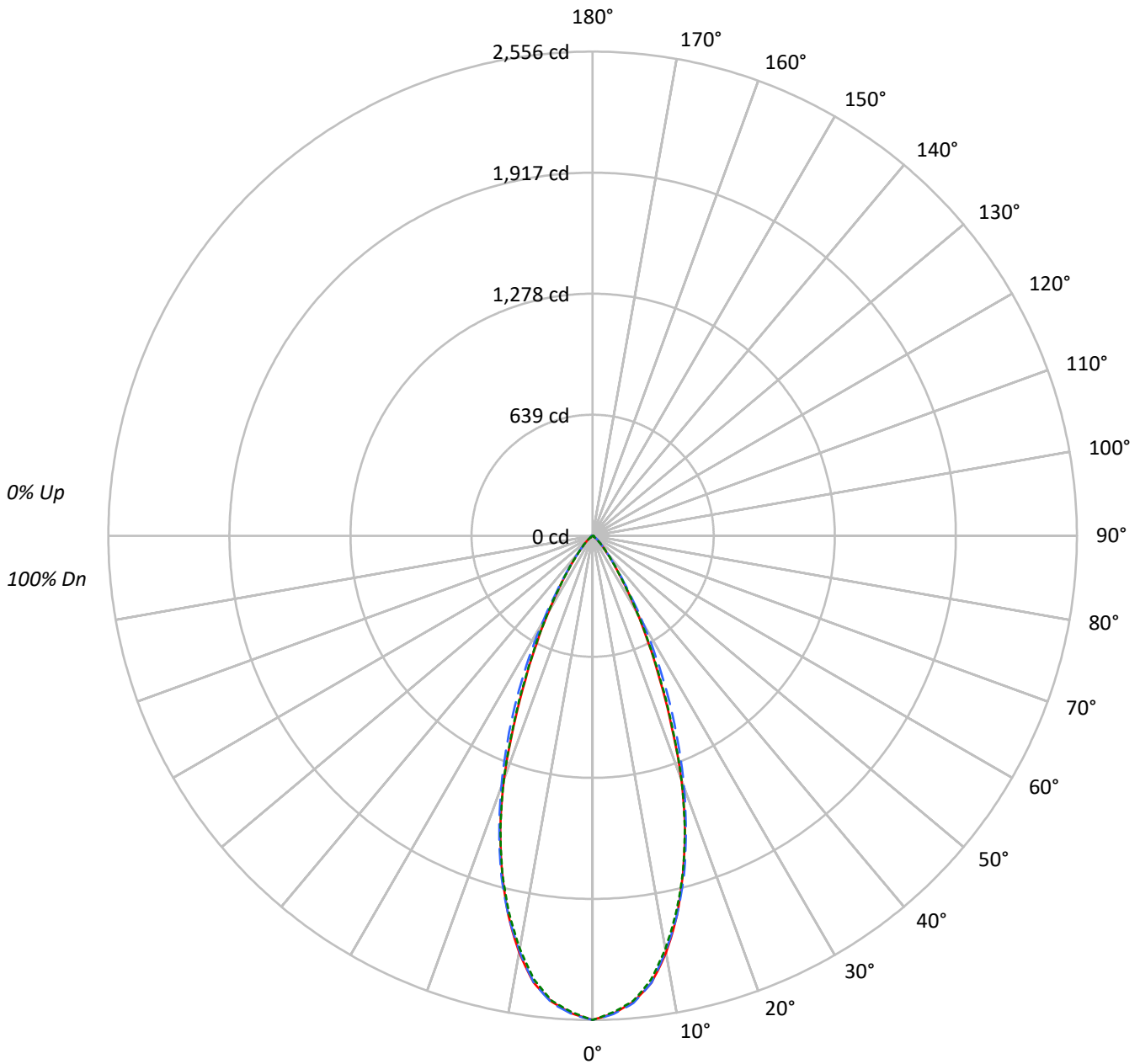
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94					94			
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89					89			
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84					84			
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79					79			
5	95	88	82	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75					75			
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71					71			
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67					67			
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64					64			
9	81	72	67	63	80	71	66	63	71	66	63	70	66	63	69	65	62	61					61			
10	77	69	64	60	76	68	63	60	68	63	60	67	63	60	66	62	60	58					58			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1260983	1260983	1260983
5°	1223060	1226032	1220485
10°	1119524	1115065	1108352
15°	941699	950433	940166
20°	720124	739235	718969
25°	457321	515568	466194
30°	265986	300281	270600
35°	140573	149547	141055
40°	74193	77542	74193
45°	41514	43049	42003
50°	19419	24561	19419
55°	7053	13418	7655
60°	8091	8091	8091
65°	8639	9573	8639
70°	10674	9665	10674
75°	9912	9912	9912
80°	10512	8523	10512
85°	8491	8491	8491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.1	16.5
10°-20°	508.0	36.6
20°-30°	410.3	29.6
30°-40°	162.1	11.7
40°-50°	49.8	3.6
50°-60°	12.8	0.9
60°-70°	7.8	0.6
70°-80°	5.7	0.4
80°-90°	1.7	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°	1146.4	82.7
0°-40°	1308.5	94.4
0°-60°	1371.2	98.9
0°-90°	1386.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1386.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2556	2556	2556	2556	2556	
5°	2470	2474	2476	2470	2464	229
15°	1844	1849	1861	1853	1841	506
25°	840	880	947	897	856	391
35°	233	240	248	241	234	156
45°	60	60	62	61	60	49
55°	8	11	16	11	9	10
65°	7	8	8	8	7	8
75°	5	5	5	5	5	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2555.9	2555.9	2555.9	2555.9	2555.9
2.5°	2523.9	2525.4	2527.6	2524.7	2517.2
5°	2469.6	2474.1	2475.6	2470.4	2464.4
7.5°	2380.4	2375.2	2379.7	2370.8	2363.3
10°	2234.7	2228.0	2225.8	2212.4	2212.4
12.5°	2054.8	2052.6	2054.1	2047.4	2037.0
15°	1843.7	1848.9	1860.8	1853.3	1840.7
17.5°	1619.9	1627.3	1637.8	1635.5	1618.4
20°	1371.6	1393.2	1408.0	1393.9	1369.4
22.5°	1089.1	1135.2	1173.1	1143.4	1103.2
25°	840.1	880.2	947.1	896.6	856.4
27.5°	637.1	666.1	727.1	677.3	649.7
30°	466.9	484.7	527.1	494.4	475.0
32.5°	333.8	346.4	364.3	344.9	335.3
35°	233.4	240.1	248.3	240.9	234.2
37.5°	164.3	166.5	172.5	166.5	163.6
40°	115.2	116.0	120.4	116.7	115.2
42.5°	83.3	83.3	85.5	84.0	83.3
45°	59.5	60.2	61.7	61.0	60.2
47.5°	42.4	43.9	43.9	44.6	41.6
50°	25.3	31.2	32.0	31.2	25.3
52.5°	13.4	18.6	23.0	18.6	13.4
55°	8.2	11.2	15.6	11.2	8.9
57.5°	8.2	8.2	10.4	8.9	8.2
60°	8.2	8.2	8.2	8.2	8.2
62.5°	8.2	8.2	8.2	8.2	8.2
65°	7.4	8.2	8.2	8.2	7.4
67.5°	7.4	7.4	7.4	7.4	7.4
70°	7.4	7.4	6.7	7.4	7.4
72.5°	6.7	6.7	5.9	6.7	6.7
75°	5.2	5.2	5.2	5.2	5.2
77.5°	4.5	4.5	4.5	4.5	4.5
80°	3.7	3.7	3.0	3.7	3.7
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0



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







(END OF REPORT)