

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: P284037

Luminaire Tested: **LDA2B159730D010 EU2B15WFL559730 2LBAPINSQ1MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P284037
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: LDA2B159730D010 EU2B15WFL559730 2LBAPINSQ1MB
Description: PORTFOLIO 2IN ADJ 1500 LUMEN LED LUMINAIRE WITH WIDE FLOOD OPTIC AND 2in Adj SQ PinHole, MB

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 953.7 lumens
Efficiency: N/A
Efficacy: 67.6 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

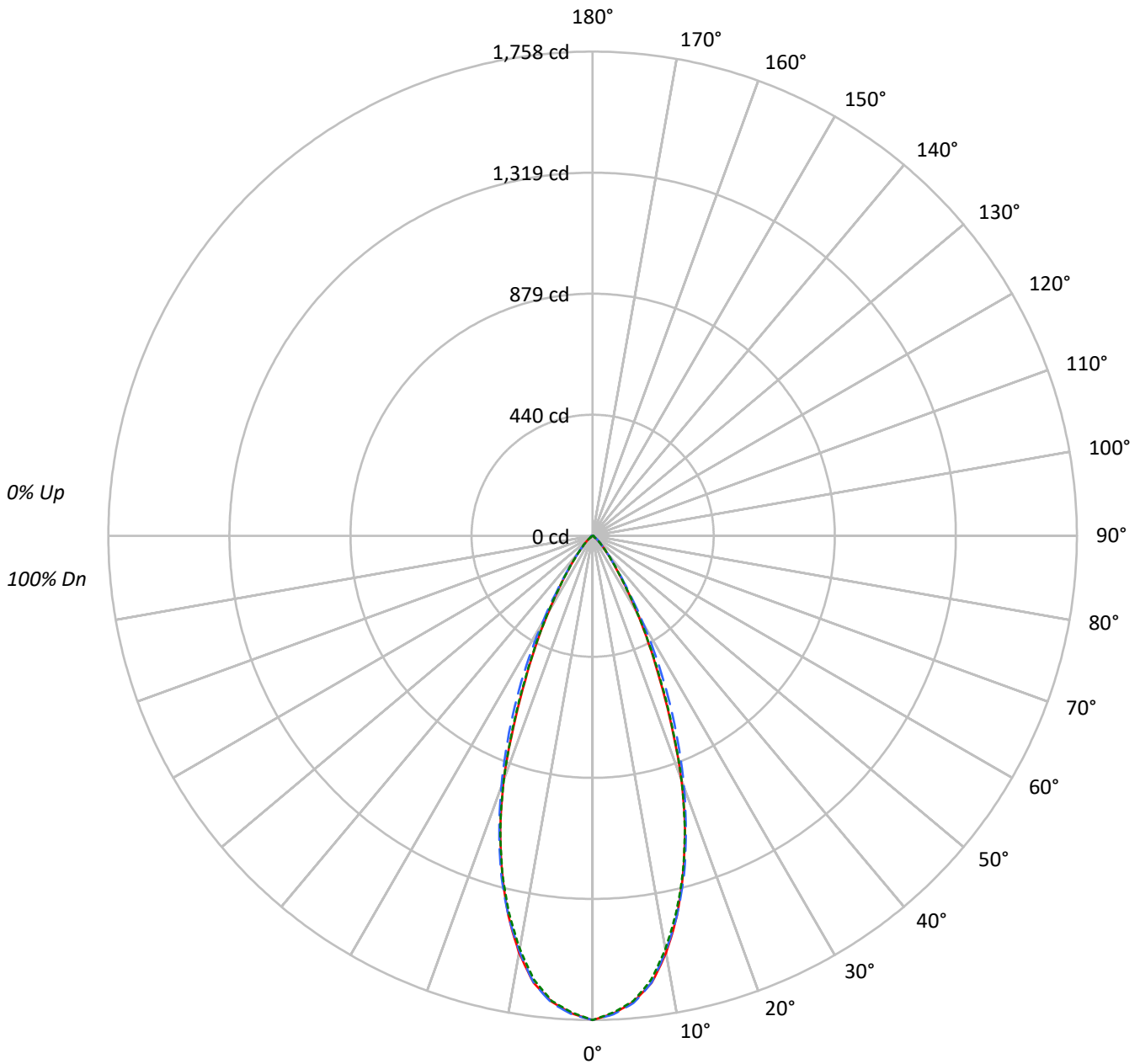
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	867527	867527	867527
5°	841424	843454	839690
10°	770195	767139	762531
15°	647855	653882	646783
20°	495413	508591	494626
25°	314588	354708	320740
30°	182983	206568	186173
35°	96727	102870	97028
40°	51072	53391	51072
45°	28537	29653	28886
50°	13355	16886	13355
55°	4817	9204	5247
60°	5526	5526	5526
65°	5954	6537	5954
70°	7357	6635	7357
75°	6862	6862	6862
80°	7387	5682	7387
85°	5661	5661	5661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.0	16.5
10°-20°	349.5	36.6
20°-30°	282.2	29.6
30°-40°	111.6	11.7
40°-50°	34.3	3.6
50°-60°	8.8	0.9
60°-70°	5.3	0.6
70°-80°	3.9	0.4
80°-90°	1.1	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°	788.7	82.7
0°-40°	900.2	94.4
0°-60°	943.3	98.9
0°-90°	953.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	953.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1758	1758	1758	1758	1758	
5°	1699	1702	1703	1700	1696	157
15°	1268	1272	1280	1275	1266	348
25°	578	606	652	617	589	269
35°	161	165	171	166	161	108
45°	41	41	42	42	41	33
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°	1758.4	1758.4	1758.4	1758.4	1758.4
2.5°	1736.4	1737.4	1738.9	1736.9	1731.8
5°	1699.0	1702.1	1703.1	1699.5	1695.5
7.5°	1637.7	1634.1	1637.1	1631.0	1625.9
10°	1537.4	1532.8	1531.3	1522.1	1522.1
12.5°	1413.6	1412.1	1413.1	1408.5	1401.4
15°	1268.4	1272.0	1280.2	1275.0	1266.3
17.5°	1114.4	1119.6	1126.7	1125.2	1113.4
20°	943.6	958.5	968.7	959.0	942.1
22.5°	749.3	781.0	807.1	786.6	759.0
25°	577.9	605.6	651.6	616.8	589.2
27.5°	438.3	458.3	500.2	465.9	447.0
30°	321.2	333.5	362.6	340.1	326.8
32.5°	229.6	238.3	250.6	237.3	230.7
35°	160.6	165.2	170.8	165.7	161.1
37.5°	113.0	114.6	118.7	114.6	112.5
40°	79.3	79.8	82.9	80.3	79.3
42.5°	57.3	57.3	58.8	57.8	57.3
45°	40.9	41.4	42.5	41.9	41.4
47.5°	29.2	30.2	30.2	30.7	28.6
50°	17.4	21.5	22.0	21.5	17.4
52.5°	9.2	12.8	15.9	12.8	9.2
55°	5.6	7.7	10.7	7.7	6.1
57.5°	5.6	5.6	7.2	6.1	5.6
60°	5.6	5.6	5.6	5.6	5.6
62.5°	5.6	5.6	5.6	5.6	5.6
65°	5.1	5.6	5.6	5.6	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	5.1	5.1	4.6	5.1	5.1
72.5°	4.6	4.6	4.1	4.6	4.6
75°	3.6	3.6	3.6	3.6	3.6
77.5°	3.1	3.1	3.1	3.1	3.1
80°	2.6	2.6	2.0	2.6	2.6
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.0	1.0	1.0	1.0	1.0
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)