

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: P283981

Luminaire Tested: **LDA2B158035D010 EU2B15WFL558035 2LBALPINSQ1MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P283981
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: LDA2B158035D010 EU2B15WFL558035 2LBALPINSQ1MMS
Description: PORTFOLIO 2IN ADJ 1500 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: 1229.9 lumens
Efficiency: N/A
Efficacy: 87.2 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

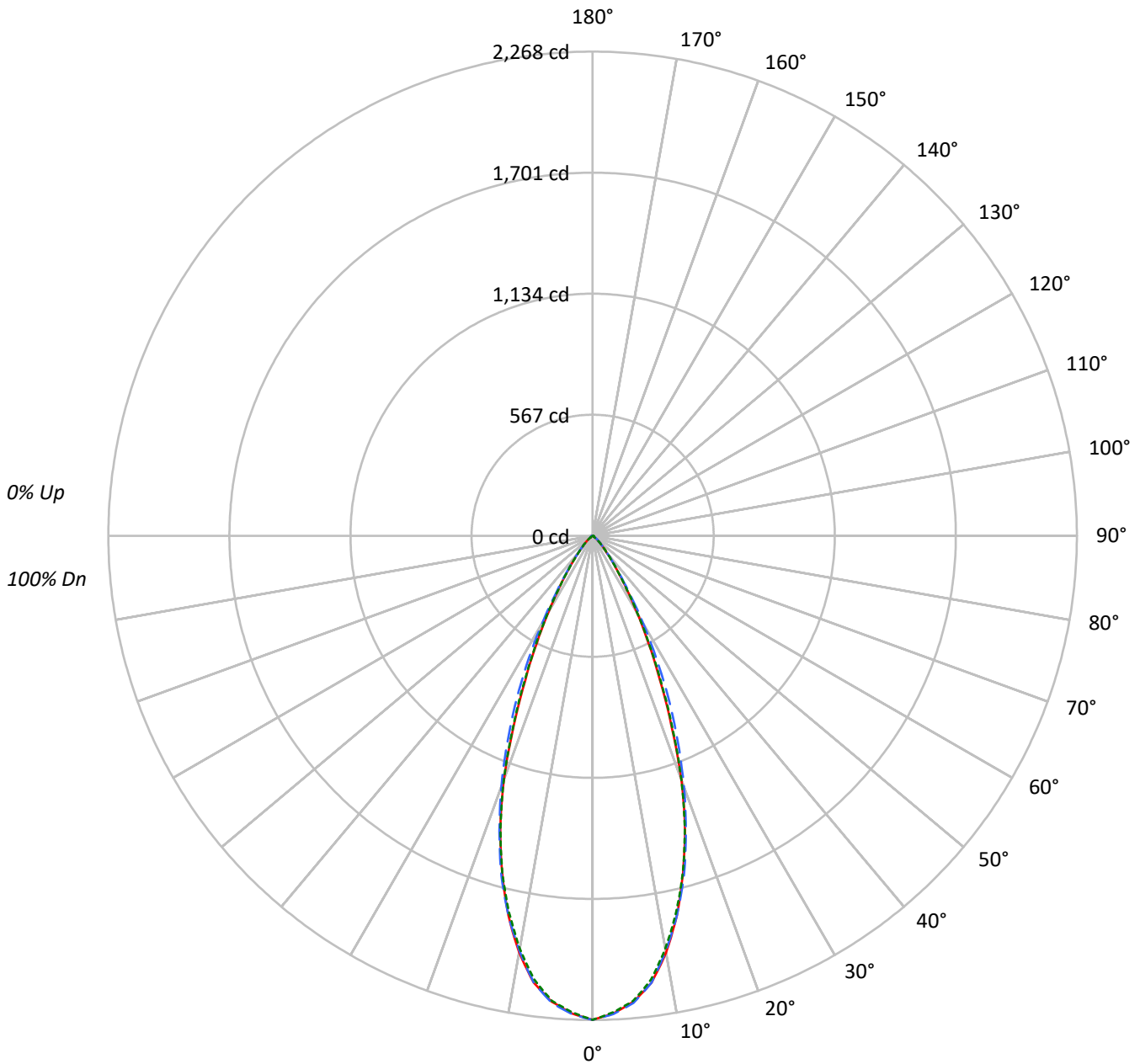
Input Watts (W): 14.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1118698	1118698	1118698
5°	1085085	1087660	1082807
10°	993228	989221	983309
15°	835408	843172	834080
20°	638850	655861	637852
25°	405715	457375	413608
30°	235964	266385	240065
35°	124733	132683	125155
40°	65821	68783	65821
45°	36840	38165	37258
50°	17193	21798	17193
55°	6279	11956	6795
60°	7203	7203	7203
65°	7705	8522	7705
70°	9520	8511	9520
75°	8769	8769	8769
80°	9376	7387	9376
85°	7359	7359	7359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	16.5
10°-20°	450.7	36.6
20°-30°	364.0	29.6
30°-40°	143.8	11.7
40°-50°	44.2	3.6
50°-60°	11.4	0.9
60°-70°	6.9	0.6
70°-80°	5.0	0.4
80°-90°	1.5	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°	1017.0	82.7
0°-40°	1160.9	94.4
0°-60°	1216.4	98.9
0°-90°	1229.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1229.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2268	2268	2268	2268	2268	
5°	2191	2195	2196	2192	2186	203
15°	1636	1640	1651	1644	1633	449
25°	745	781	840	795	760	347
35°	207	213	220	214	208	139
45°	53	53	55	54	53	43
55°	7	10	14	10	8	9
65°	7	7	7	7	7	7
75°	5	5	5	5	5	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2267.5	2267.5	2267.5	2267.5	2267.5
2.5°	2239.1	2240.4	2242.4	2239.8	2233.2
5°	2191.0	2194.9	2196.2	2191.6	2186.4
7.5°	2111.8	2107.2	2111.2	2103.2	2096.7
10°	1982.6	1976.6	1974.6	1962.8	1962.8
12.5°	1822.9	1821.0	1822.3	1816.4	1807.1
15°	1635.6	1640.3	1650.8	1644.2	1633.0
17.5°	1437.1	1443.7	1452.9	1451.0	1435.8
20°	1216.8	1236.0	1249.2	1236.6	1214.9
22.5°	966.2	1007.1	1040.7	1014.4	978.7
25°	745.3	780.9	840.2	795.4	759.8
27.5°	565.2	590.9	645.0	600.8	576.4
30°	414.2	430.0	467.6	438.6	421.4
32.5°	296.1	307.3	323.2	306.0	297.4
35°	207.1	213.0	220.3	213.7	207.8
37.5°	145.8	147.7	153.0	147.7	145.1
40°	102.2	102.9	106.8	103.5	102.2
42.5°	73.9	73.9	75.8	74.5	73.9
45°	52.8	53.4	54.7	54.1	53.4
47.5°	37.6	38.9	38.9	39.6	36.9
50°	22.4	27.7	28.4	27.7	22.4
52.5°	11.9	16.5	20.4	16.5	11.9
55°	7.3	9.9	13.9	9.9	7.9
57.5°	7.3	7.3	9.2	7.9	7.3
60°	7.3	7.3	7.3	7.3	7.3
62.5°	7.3	7.3	7.3	7.3	7.3
65°	6.6	7.3	7.3	7.3	6.6
67.5°	6.6	6.6	6.6	6.6	6.6
70°	6.6	6.6	5.9	6.6	6.6
72.5°	5.9	5.9	5.3	5.9	5.9
75°	4.6	4.6	4.6	4.6	4.6
77.5°	4.0	4.0	4.0	4.0	4.0
80°	3.3	3.3	2.6	3.3	3.3
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.3	1.3	1.3	1.3	1.3
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)