

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: P#

Luminaire Tested: **LD2B15D010 EU2B15WFL558050 2LBDSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14812)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15WFL558050 2LBDSQLC*MB
Description: 1500 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1178.1 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.76 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

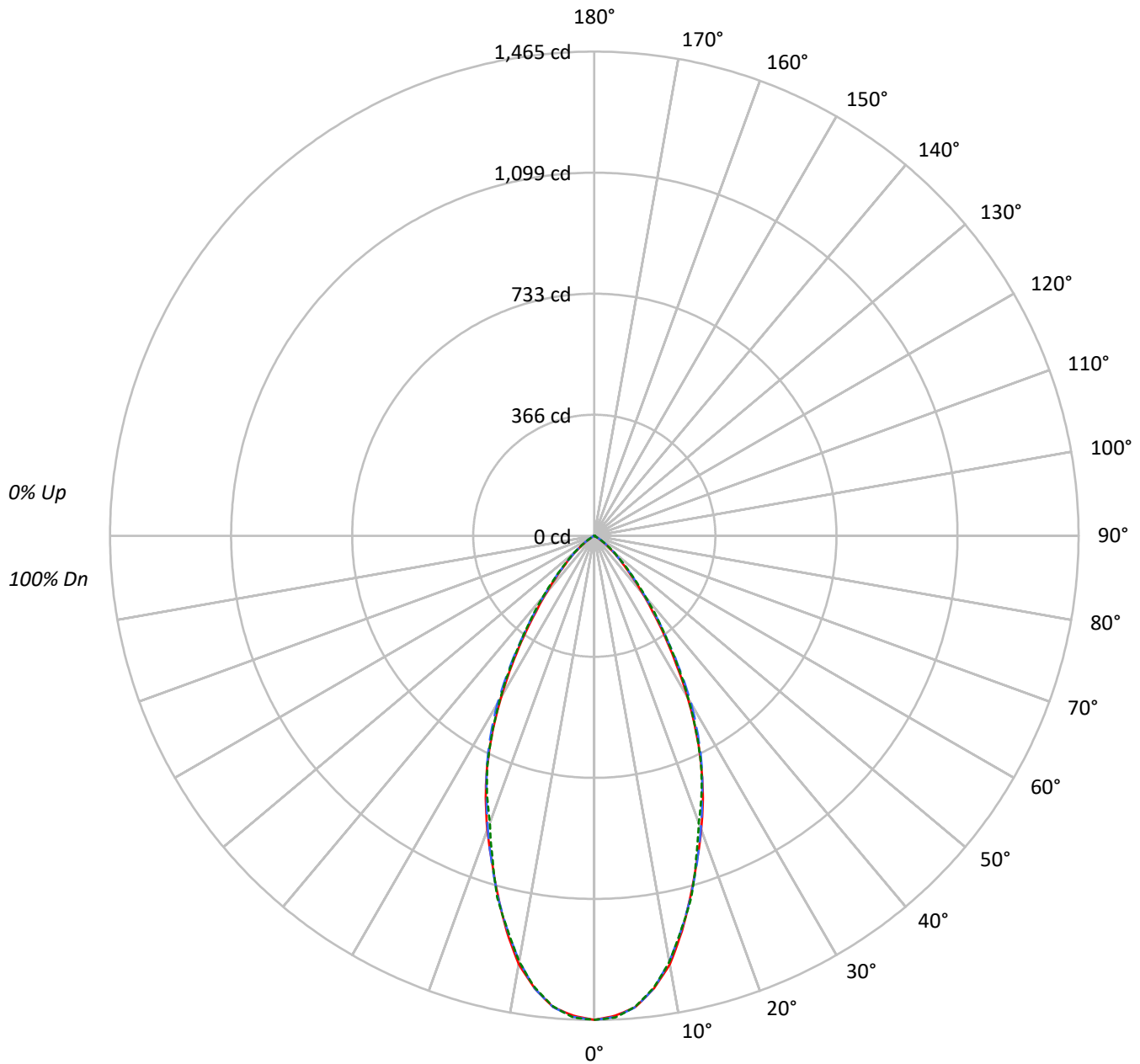
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66
7	83	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58
9	75	65	59	55	74	64	59	55	63	58	54	62	58	54	62	57	54
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	567346	567346	567346
5°	556487	556487	555787
10°	517611	513953	514661
15°	451698	452420	454665
20°	389987	388462	380795
25°	327295	328876	326482
30°	251902	261876	254406
35°	175763	182809	181059
40°	114680	119383	123124
45°	70281	74335	77403
50°	41459	44773	47063
55°	17558	22623	21340
60°	2866	5733	4338
65°	1741	1741	1741
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	11.3
10°-20°	313.9	26.6
20°-30°	347.7	29.5
30°-40°	242.0	20.5
40°-50°	109.0	9.2
50°-60°	30.7	2.6
60°-70°	2.1	0.2
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	794.3	67.4
0°-40°	1036.3	88.0
0°-60°	1176.0	99.8
0°-90°	1178.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1178.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1465	1465	1465	1465	1465	
5°	1431	1437	1431	1426	1429	133
15°	1126	1132	1128	1126	1134	314
25°	766	771	770	760	764	347
35°	372	383	387	387	383	234
45°	128	132	136	139	141	104
55°	26	30	34	34	32	26
65°	2	2	2	2	2	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1464.7	1464.7	1464.7	1464.7	1464.7
2.5°	1453.5	1461.0	1457.2	1457.2	1459.1
5°	1431.2	1436.8	1431.2	1425.6	1429.4
7.5°	1381.0	1386.6	1381.0	1377.3	1379.2
10°	1316.0	1312.3	1306.7	1303.0	1308.5
12.5°	1224.9	1223.0	1219.3	1217.5	1217.5
15°	1126.4	1132.0	1128.2	1126.4	1133.8
17.5°	1031.6	1037.2	1033.4	1027.9	1024.2
20°	946.1	947.9	942.4	933.1	923.8
22.5°	858.7	860.6	851.3	847.6	847.6
25°	765.8	771.4	769.5	760.2	763.9
27.5°	665.4	674.7	678.4	667.3	667.3
30°	563.2	570.6	585.5	570.6	568.8
32.5°	462.8	474.0	481.4	479.6	474.0
35°	371.7	382.9	386.6	386.6	382.9
37.5°	290.0	301.1	304.8	308.5	308.5
40°	226.8	232.3	236.1	241.6	243.5
42.5°	171.0	176.6	182.2	185.9	184.0
45°	128.3	132.0	135.7	139.4	141.3
47.5°	96.7	96.7	100.4	104.1	104.1
50°	68.8	72.5	74.3	76.2	78.1
52.5°	46.5	48.3	52.0	53.9	52.0
55°	26.0	29.7	33.5	33.5	31.6
57.5°	11.2	16.7	18.6	18.6	14.9
60°	3.7	7.4	7.4	9.3	5.6
62.5°	1.9	3.7	3.7	3.7	1.9
65°	1.9	1.9	1.9	1.9	1.9
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)