

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: P225233

Luminaire Tested: **LD2B15D010 EU2B15FL409730 2LBDSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14838)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL409730 2LBDSQLC*MB
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 890.7 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

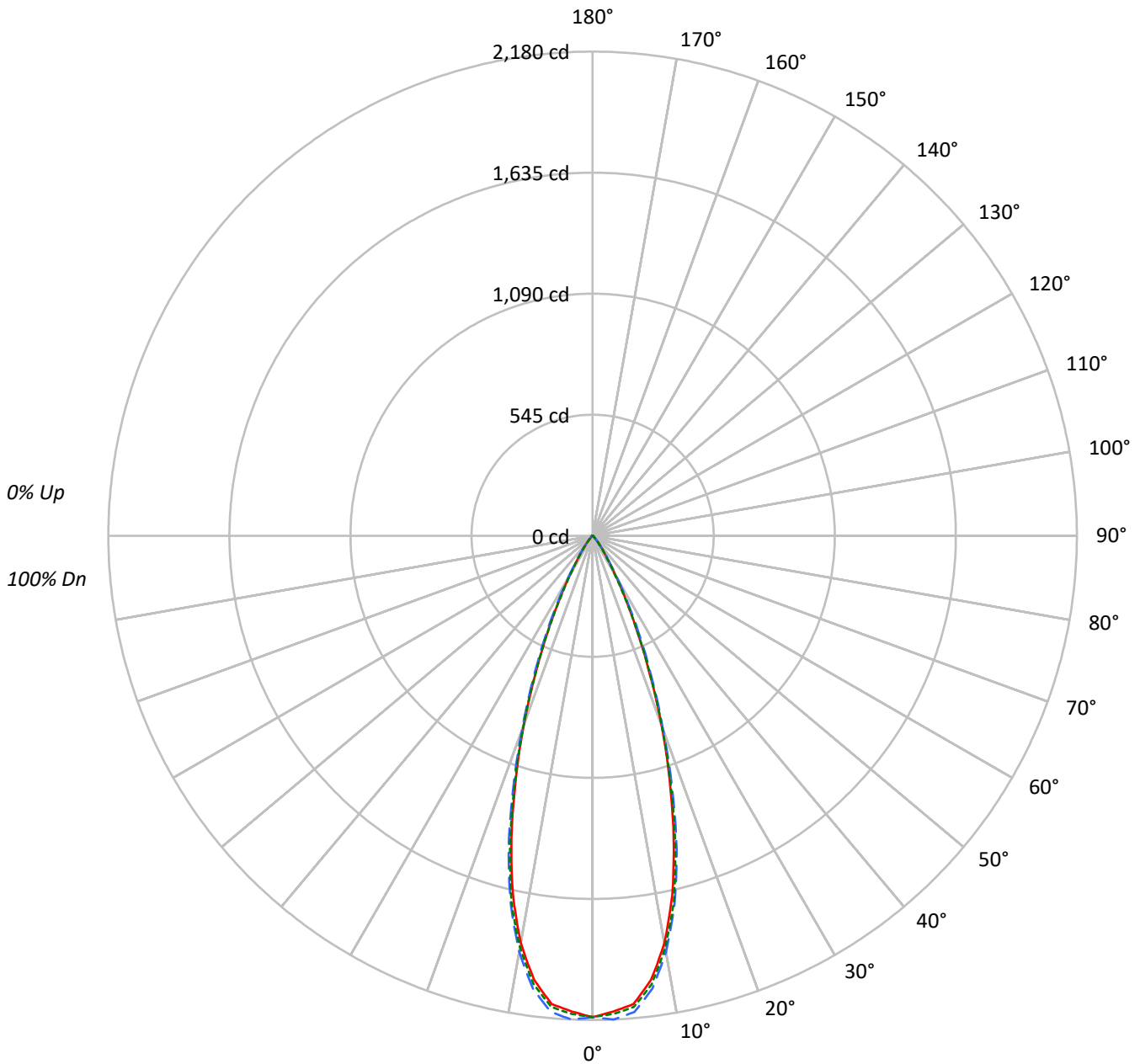
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96																			
2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91																			
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87																			
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83																			
5	98	92	87	84	97	91	86	83	89	85	82	88	84	82	86	83	81	80																			
6	95	88	83	79	93	87	82	79	86	82	79	84	81	78	83	80	78	77																			
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73																			
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71																			
9	85	78	73	70	84	77	73	70	76	72	69	76	72	69	75	71	69	68																			
10	82	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	66	65																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	839379	839379	839379
5°	822794	836908	827965
10°	732207	747940	740310
15°	565705	586116	575931
20°	373169	381166	375189
25°	203565	217541	204591
30°	91601	101351	87799
35°	39531	40666	36127
40°	16535	17141	15321
45°	6628	7286	7286
50°	2892	3676	3676
55°	1621	1621	2431
60°	930	930	930
65°	0	0	0
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°	195.9	22.0
10°-20°	389.9	43.8
20°-30°	230.3	25.9
30°-40°	60.0	6.7
40°-50°	11.9	1.3
50°-60°	2.6	0.3
60°-70°	0.2	0.0
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°	816.1	91.6
0°-40°	876.0	98.4
0°-60°	890.5	100.0
0°-90°	890.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	890.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2167	2167	2167	2167	2167	
5°	2116	2133	2152	2138	2129	194
15°	1411	1442	1462	1440	1436	383
25°	476	492	509	490	479	224
35°	84	87	86	85	76	59
45°	12	14	13	13	13	11
55°	2	2	2	2	4	3
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2167.0	2167.0	2167.0	2167.0	2167.0
2.5°	2144.0	2165.8	2180.3	2168.2	2154.9
5°	2116.1	2133.0	2152.4	2137.9	2129.4
7.5°	2016.7	2042.2	2056.7	2049.4	2036.1
10°	1861.6	1881.0	1901.6	1894.3	1882.2
12.5°	1656.7	1683.4	1702.8	1685.8	1688.3
15°	1410.7	1442.2	1461.6	1439.8	1436.2
17.5°	1150.1	1174.4	1187.7	1174.4	1164.7
20°	905.3	919.9	924.7	918.7	910.2
22.5°	669.0	684.8	699.3	684.8	673.8
25°	476.3	492.1	509.0	489.6	478.7
27.5°	321.2	330.9	345.4	327.2	311.5
30°	204.8	215.7	226.6	213.3	196.3
32.5°	129.7	137.0	138.2	135.7	121.2
35°	83.6	87.3	86.0	84.8	76.4
37.5°	53.3	53.3	54.5	53.3	48.5
40°	32.7	35.1	33.9	32.7	30.3
42.5°	19.4	21.8	20.6	20.6	19.4
45°	12.1	14.5	13.3	13.3	13.3
47.5°	8.5	9.7	8.5	8.5	9.7
50°	4.8	6.1	6.1	6.1	6.1
52.5°	3.6	3.6	3.6	3.6	4.8
55°	2.4	2.4	2.4	2.4	3.6
57.5°	2.4	2.4	1.2	1.2	2.4
60°	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	0.0	0.0	0.0	1.2
65°	0.0	0.0	0.0	0.0	0.0
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)