

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: **LD2B10D010 EU2B10WFL559730 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: LD2B10D010 EU2B10WFL559730 2LBDSQLC*MB
Description: 1000 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: 619.1 lumens
Efficiency: N/A
Efficacy: 60.1 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

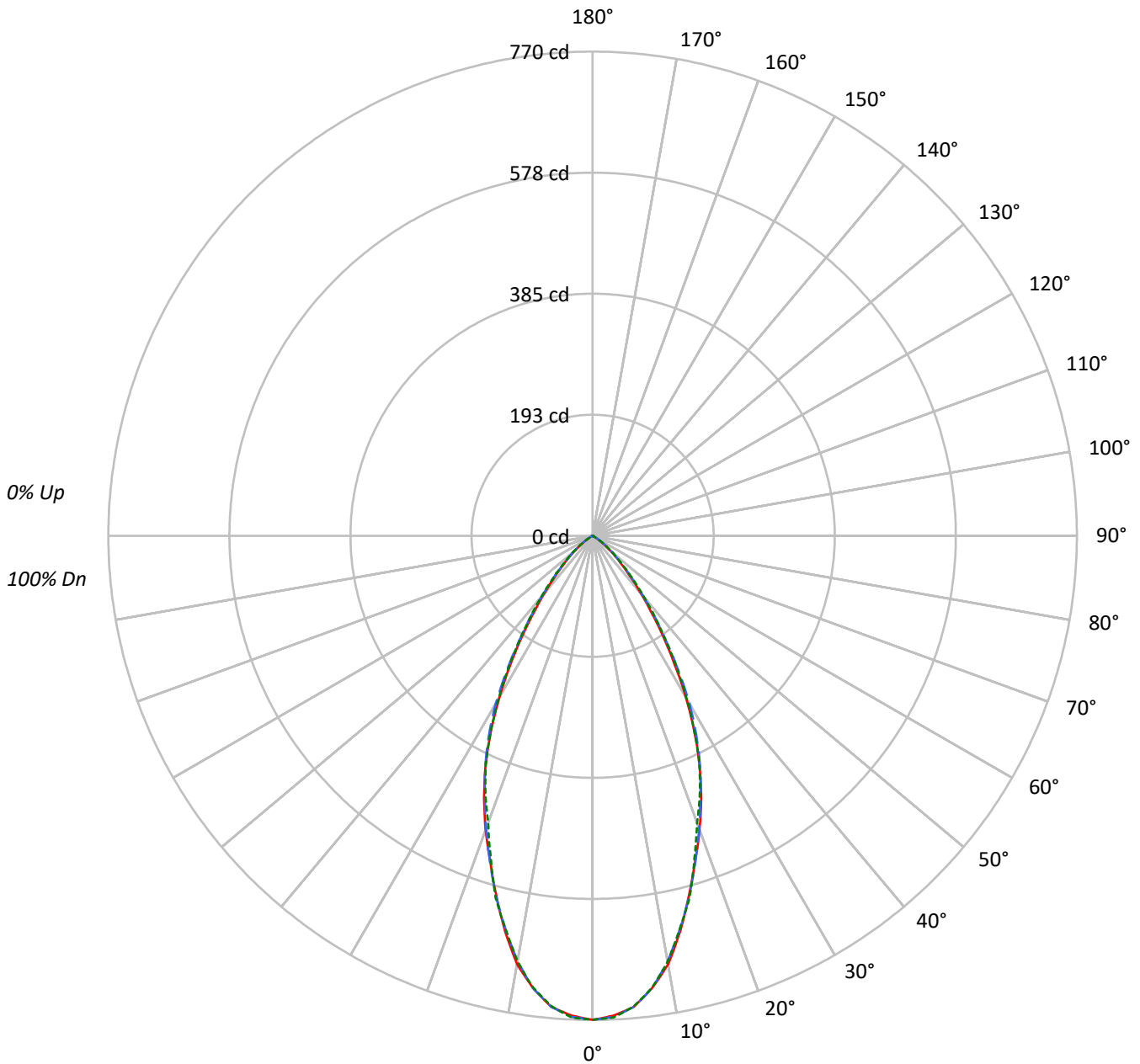
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74			
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69			
6	87	78	72	67	85	77	71	67	75	70	67	74	70	66	73	69	66	64			
7	83	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60			
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56			
9	75	65	59	55	74	64	59	55	63	58	54	62	58	54	62	57	54	53			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	298140	298140	298140
5°	292436	292436	292047
10°	272021	270094	270448
15°	237358	237759	238922
20°	204948	204124	200126
25°	171981	172836	171597
30°	132392	137625	133689
35°	92397	96086	95140
40°	60273	62750	64722
45°	36921	39057	40646
50°	21754	23562	24707
55°	9252	11886	11210
60°	1549	3021	2247
65°	917	917	917
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°	69.7	11.3
10°-20°	165.0	26.6
20°-30°	182.7	29.5
30°-40°	127.2	20.5
40°-50°	57.3	9.2
50°-60°	16.2	2.6
60°-70°	1.1	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°	417.4	67.4
0°-40°	544.6	88.0
0°-60°	618.0	99.8
0°-90°	619.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	619.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	752	755	752	749	751	70
15°	592	595	593	592	596	165
25°	402	405	404	400	402	182
35°	195	201	203	203	201	123
45°	67	69	71	73	74	54
55°	14	16	18	18	17	14
65°	1	1	1	1	1	1
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°	769.7	769.7	769.7	769.7	769.7
2.5°	763.8	767.7	765.8	765.8	766.8
5°	752.1	755.0	752.1	749.2	751.1
7.5°	725.7	728.7	725.7	723.8	724.8
10°	691.6	689.6	686.7	684.7	687.6
12.5°	643.7	642.7	640.8	639.8	639.8
15°	591.9	594.9	592.9	591.9	595.8
17.5°	542.1	545.0	543.1	540.2	538.2
20°	497.2	498.2	495.2	490.3	485.5
22.5°	451.3	452.2	447.4	445.4	445.4
25°	402.4	405.4	404.4	399.5	401.5
27.5°	349.7	354.6	356.5	350.7	350.7
30°	296.0	299.9	307.7	299.9	298.9
32.5°	243.2	249.1	253.0	252.0	249.1
35°	195.4	201.2	203.2	203.2	201.2
37.5°	152.4	158.2	160.2	162.1	162.1
40°	119.2	122.1	124.1	127.0	128.0
42.5°	89.9	92.8	95.7	97.7	96.7
45°	67.4	69.4	71.3	73.3	74.2
47.5°	50.8	50.8	52.7	54.7	54.7
50°	36.1	38.1	39.1	40.0	41.0
52.5°	24.4	25.4	27.3	28.3	27.3
55°	13.7	15.6	17.6	17.6	16.6
57.5°	5.9	8.8	9.8	9.8	7.8
60°	2.0	3.9	3.9	4.9	2.9
62.5°	1.0	2.0	2.0	2.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
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)