

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 EU2B15WFL559727 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 EU2B15WFL559727 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: 783.0 lumens
Efficiency: N/A
Efficacy: 54.8 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

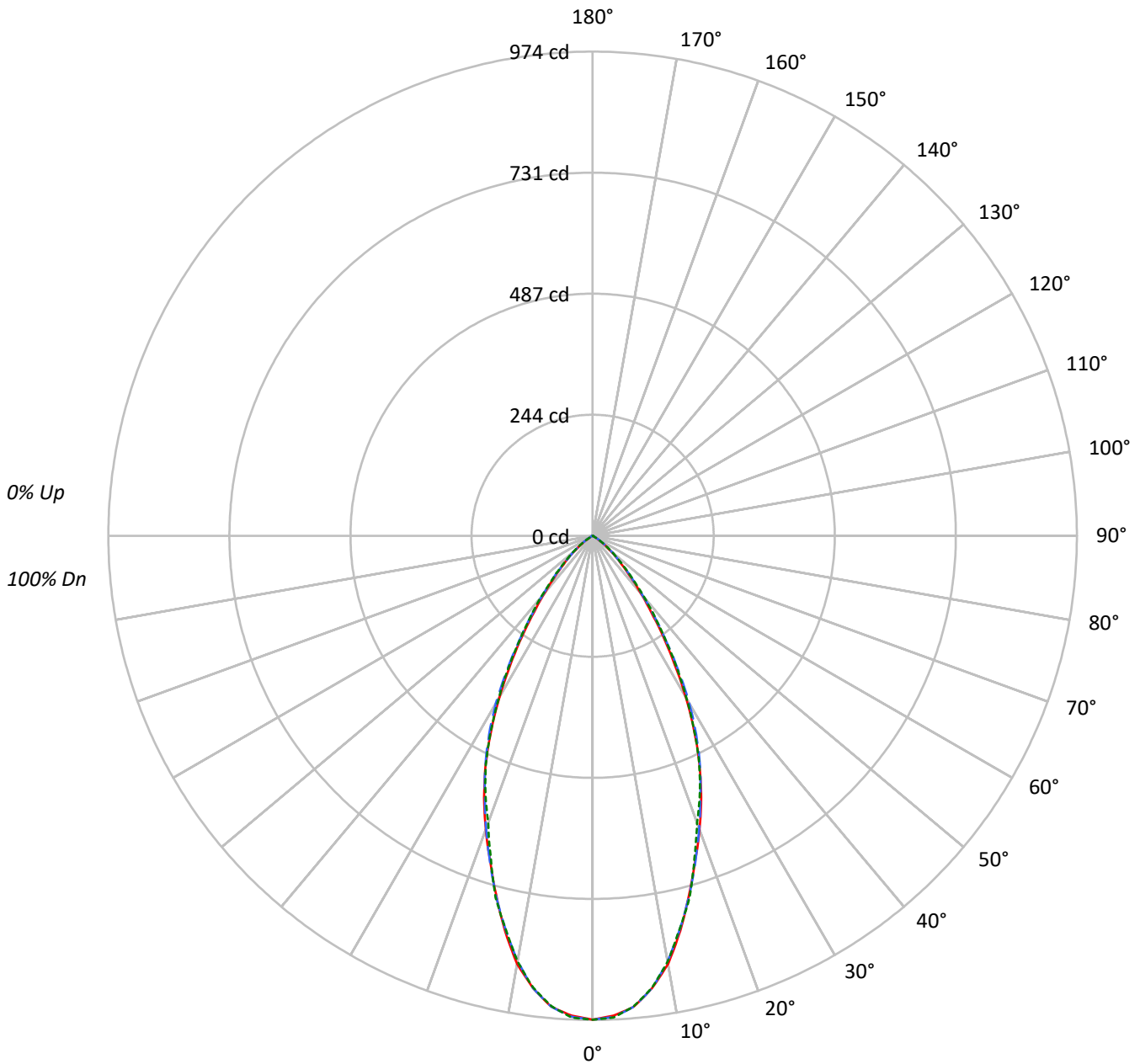
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	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°	377081	377081	377081
5°	369851	369851	369384
10°	343999	341600	342072
15°	300196	300717	302201
20°	259194	258164	253094
25°	217541	218567	216985
30°	167413	174032	169068
35°	116844	121526	120343
40°	76201	79336	81813
45°	46672	49411	51437
50°	27539	29769	31275
55°	11683	14992	14182
60°	1937	3796	2866
65°	1100	1100	1100
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°	88.2	11.3
10°-20°	208.6	26.6
20°-30°	231.1	29.5
30°-40°	160.8	20.5
40°-50°	72.4	9.2
50°-60°	20.4	2.6
60°-70°	1.4	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°	527.9	67.4
0°-40°	688.8	88.0
0°-60°	781.6	99.8
0°-90°	783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	974	974	974	974	974	
5°	951	955	951	948	950	88
15°	749	752	750	749	754	209
25°	509	513	511	505	508	231
35°	247	254	257	257	254	156
45°	85	88	90	93	94	69
55°	17	20	22	22	21	17
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°	973.5	973.5	973.5	973.5	973.5
2.5°	966.1	971.0	968.5	968.5	969.8
5°	951.2	954.9	951.2	947.5	950.0
7.5°	917.9	921.6	917.9	915.4	916.6
10°	874.6	872.2	868.5	866.0	869.7
12.5°	814.1	812.9	810.4	809.2	809.2
15°	748.6	752.3	749.9	748.6	753.6
17.5°	685.6	689.3	686.9	683.2	680.7
20°	628.8	630.0	626.3	620.2	614.0
22.5°	570.7	572.0	565.8	563.3	563.3
25°	509.0	512.7	511.4	505.3	507.7
27.5°	442.3	448.4	450.9	443.5	443.5
30°	374.3	379.3	389.1	379.3	378.0
32.5°	307.6	315.0	320.0	318.7	315.0
35°	247.1	254.5	257.0	257.0	254.5
37.5°	192.7	200.1	202.6	205.1	205.1
40°	150.7	154.4	156.9	160.6	161.8
42.5°	113.7	117.4	121.1	123.5	122.3
45°	85.2	87.7	90.2	92.7	93.9
47.5°	64.2	64.2	66.7	69.2	69.2
50°	45.7	48.2	49.4	50.6	51.9
52.5°	30.9	32.1	34.6	35.8	34.6
55°	17.3	19.8	22.2	22.2	21.0
57.5°	7.4	11.1	12.4	12.4	9.9
60°	2.5	4.9	4.9	6.2	3.7
62.5°	1.2	2.5	2.5	2.5	1.2
65°	1.2	1.2	1.2	1.2	1.2
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)