

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 EU2B15WFL559030D2W 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 EU2B15WFL559030D2W 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

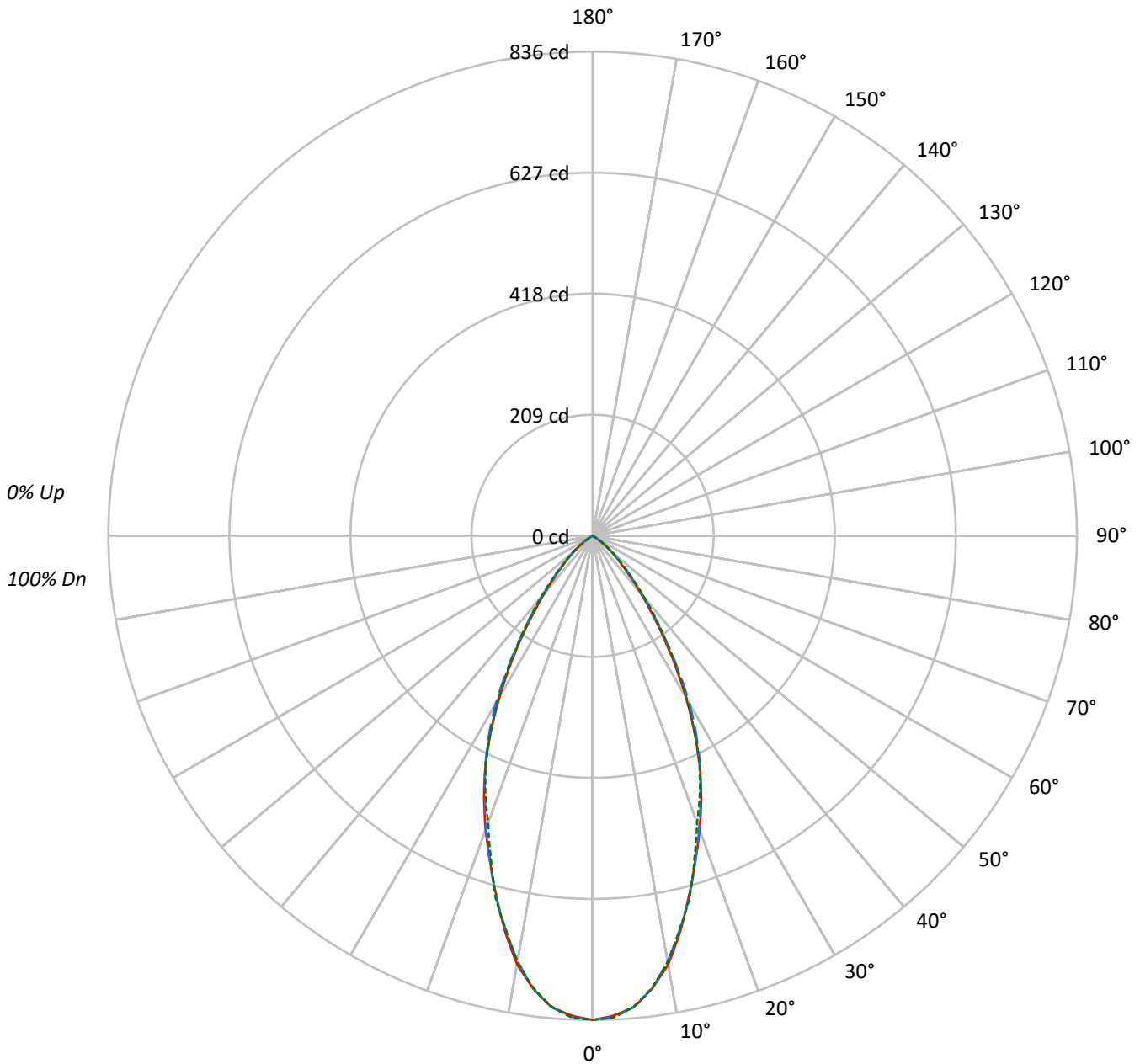
Lumens per Lamp: N/A
Luminaire Lumens: 672.3 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.76 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

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									
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	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°	323783	323783	323783
5°	317593	317593	317204
10°	295384	293339	293732
15°	257769	258210	259494
20°	222549	221725	217314
25°	186812	187667	186342
30°	143752	149477	145183
35°	100294	104313	103320
40°	65430	68110	70285
45°	40098	42454	44207
50°	23622	25550	26816
55°	10062	12899	12223
60°	1627	3254	2479
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°	75.7	11.3
10°-20°	179.1	26.6
20°-30°	198.5	29.5
30°-40°	138.1	20.5
40°-50°	62.2	9.2
50°-60°	17.5	2.6
60°-70°	1.2	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°	453.3	67.4
0°-40°	591.4	88.0
0°-60°	671.2	99.8
0°-90°	672.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	672.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	817	820	817	814	816	76
15°	643	646	644	643	647	179
25°	437	440	439	434	436	198
35°	212	218	221	221	218	134
45°	73	75	78	80	81	59
55°	15	17	19	19	18	15
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	835.9	835.9	835.9	835.9	835.9
2.5°	829.5	833.8	831.7	831.7	832.7
5°	816.8	820.0	816.8	813.6	815.8
7.5°	788.2	791.4	788.2	786.1	787.1
10°	751.0	749.0	745.8	743.6	746.8
12.5°	699.1	698.0	695.9	694.9	694.9
15°	642.8	646.0	643.9	642.8	647.1
17.5°	588.8	591.9	589.8	586.6	584.5
20°	539.9	541.0	537.9	532.5	527.2
22.5°	490.1	491.2	485.8	483.8	483.8
25°	437.1	440.3	439.1	433.9	436.0
27.5°	379.8	385.1	387.2	380.8	380.8
30°	321.4	325.6	334.2	325.6	324.6
32.5°	264.2	270.5	274.7	273.7	270.5
35°	212.1	218.5	220.6	220.6	218.5
37.5°	165.5	171.9	174.0	176.1	176.1
40°	129.4	132.6	134.7	137.9	139.0
42.5°	97.6	100.8	104.0	106.1	105.0
45°	73.2	75.3	77.5	79.5	80.7
47.5°	55.2	55.2	57.3	59.4	59.4
50°	39.2	41.4	42.4	43.5	44.5
52.5°	26.5	27.6	29.7	30.8	29.7
55°	14.9	16.9	19.1	19.1	18.1
57.5°	6.4	9.5	10.6	10.6	8.5
60°	2.1	4.2	4.2	5.3	3.2
62.5°	1.0	2.1	2.1	2.1	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)