

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: P225249

Luminaire Tested: **LD2B10D010 EU2B10FL408030 2LBDSQLC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P225249
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: LD2B10D010 EU2B10FL408030 2LBDSQLC*MB
Description: 1000 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: 893.9 lumens
Efficiency: N/A
Efficacy: 86.8 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

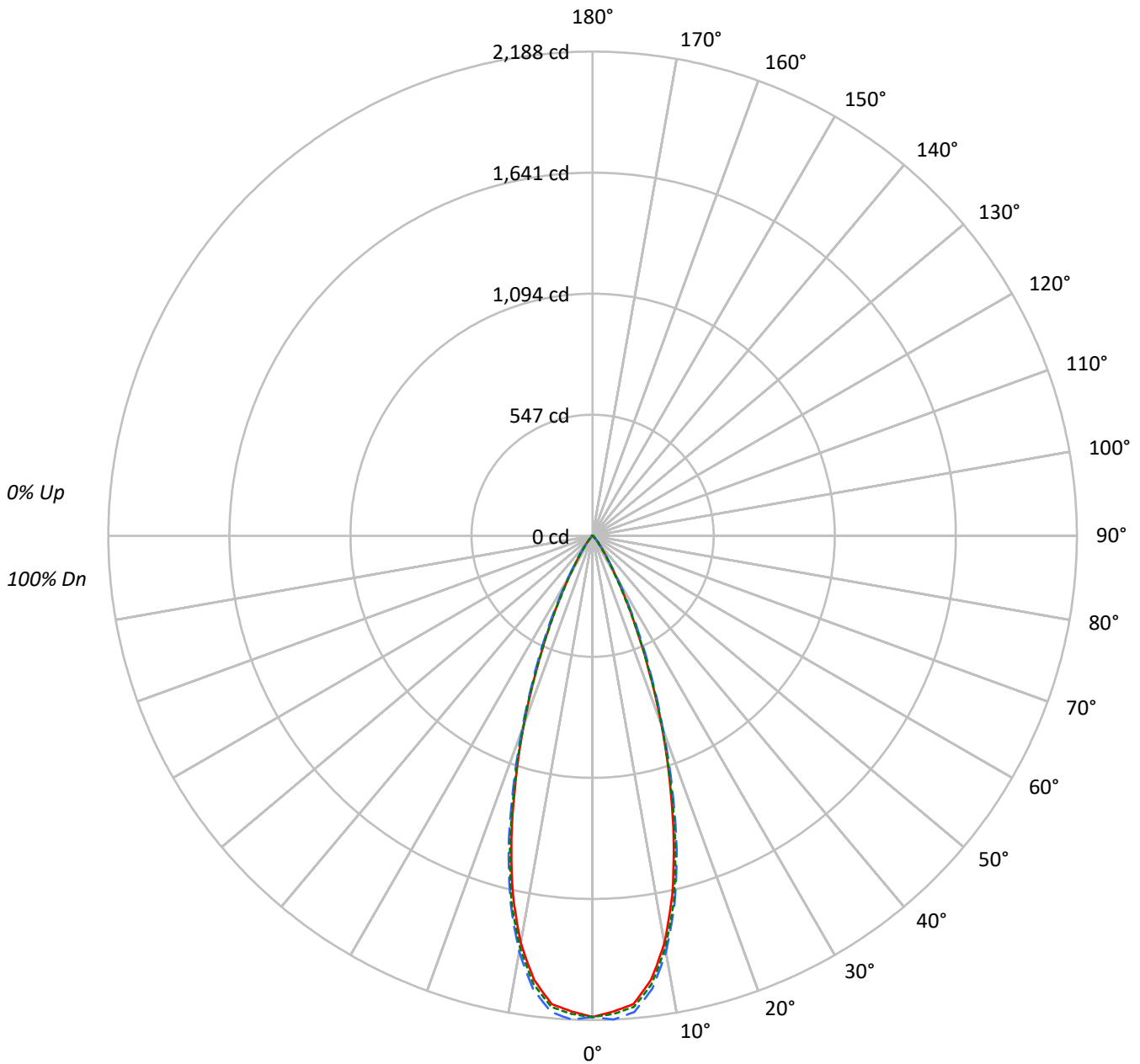
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	842400	842400	842400
5°	825749	839941	830959
10°	734842	750615	742945
15°	567750	588242	577976
20°	374529	382526	376549
25°	204292	218353	205318
30°	91958	101754	88112
35°	39673	40855	36221
40°	16585	17242	15372
45°	6683	7340	7340
50°	2953	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°	196.6	22.0
10°-20°	391.3	43.8
20°-30°	231.1	25.9
30°-40°	60.2	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°	819.0	91.6
0°-40°	879.2	98.4
0°-60°	893.7	100.0
0°-90°	893.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	893.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2175	2175	2175	2175	2175	
5°	2124	2141	2160	2146	2137	194
15°	1416	1447	1467	1445	1441	384
25°	478	494	511	491	480	225
35°	84	88	86	85	77	59
45°	12	15	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°	2174.8	2174.8	2174.8	2174.8	2174.8
2.5°	2151.7	2173.6	2188.1	2176.0	2162.6
5°	2123.7	2140.7	2160.2	2145.6	2137.1
7.5°	2023.9	2049.5	2064.1	2056.8	2043.4
10°	1868.3	1887.7	1908.4	1901.1	1888.9
12.5°	1662.7	1689.5	1708.9	1691.9	1694.3
15°	1415.8	1447.4	1466.9	1445.0	1441.3
17.5°	1154.3	1178.6	1192.0	1178.6	1168.9
20°	908.6	923.2	928.0	922.0	913.5
22.5°	671.4	687.2	701.8	687.2	676.3
25°	478.0	493.8	510.9	491.4	480.4
27.5°	322.3	332.1	346.6	328.4	312.6
30°	205.6	216.5	227.5	214.1	197.0
32.5°	130.1	137.4	138.7	136.2	121.6
35°	83.9	87.6	86.4	85.1	76.6
37.5°	53.5	53.5	54.7	53.5	48.7
40°	32.8	35.3	34.1	32.8	30.4
42.5°	19.5	21.9	20.7	20.7	19.5
45°	12.2	14.6	13.4	13.4	13.4
47.5°	8.5	9.7	8.5	8.5	9.7
50°	4.9	6.1	6.1	6.1	6.1
52.5°	3.6	3.6	3.6	3.6	4.9
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)