

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: **LD2B20D010 EU2B2010NFL258050 2LBPINW**

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 (P14816)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B2010NFL258050 2LBPINW
Description: 2000 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
ROUND PINHOLE WHITE OCULUS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1607.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.35
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

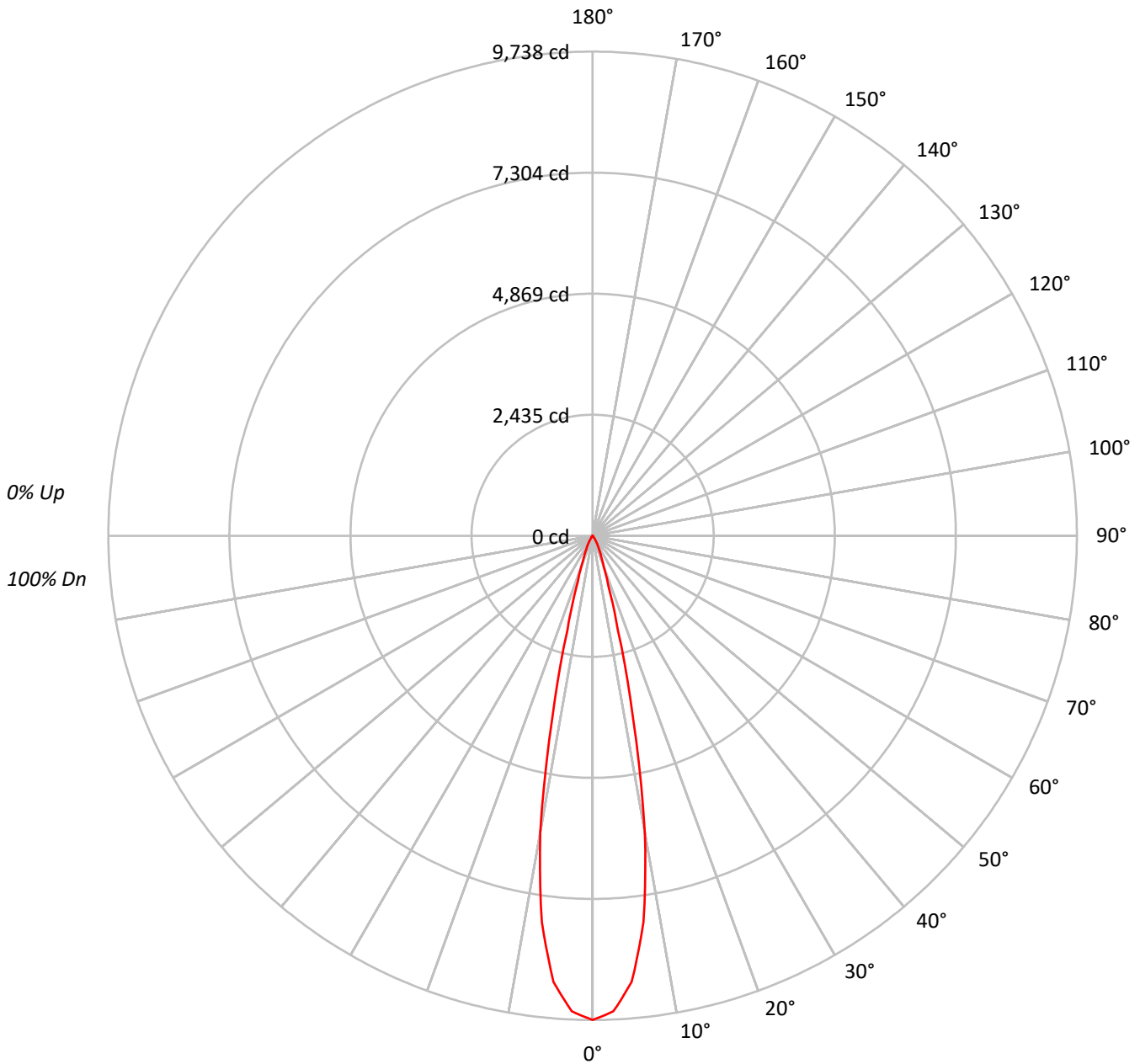
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B2010NFL258050 2LBPINW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B2010NFL258050 2LBPINW

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	100	99	97
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96	95
2	112	109	106	104	110	107	105	103	104	102	100	101	100	98	99	97	96	95	94	94	93
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	92	92	90
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	90	89	88	88
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	87	86	86
6	101	96	92	89	100	95	91	89	94	91	88	92	90	88	91	89	87	85	85	84	83
7	99	93	89	87	98	93	89	87	92	88	86	91	88	86	90	87	85	83	82	81	81
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	82	81	80	80
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	80	79	78	78
10	93	87	83	81	92	87	83	81	86	83	81	85	83	81	85	82	80	78	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3773411
5°	3504113
10°	2381671
15°	787907
20°	267659
25°	135574
30°	70023
35°	22989
40°	8548
45°	4658
50°	1266
55°	1419
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B2010NFL258050 2LBPINW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.3	47.6
10°-20°	639.4	39.8
20°-30°	154.7	9.6
30°-40°	39.9	2.5
40°-50°	6.6	0.4
50°-60°	1.2	0.1
60°-70°	0.0	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°	1559.3	97.0
0°-40°	1599.2	99.5
0°-60°	1607.0	100.0
0°-90°	1607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1607.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9738	
5°	9009	765
15°	1964	639
25°	317	155
35°	49	40
45°	8	7
55°	2	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B20D010 EU2B2010NFL258050 2LBPINW

CANDELA DISTRIBUTION (FULL):

	0°
0°	9738.2
2.5°	9575.4
5°	9008.8
7.5°	7835.4
10°	6053.1
12.5°	3744.3
15°	1964.1
17.5°	1061.3
20°	649.1
22.5°	448.2
25°	317.1
27.5°	224.1
30°	156.5
32.5°	109.9
35°	48.6
37.5°	21.1
40°	16.9
42.5°	12.7
45°	8.5
47.5°	4.2
50°	2.1
52.5°	2.1
55°	2.1
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)