

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 EU2B20WFL558035 2LBDL*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20WFL558035 2LBDL*MW
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1654.7 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

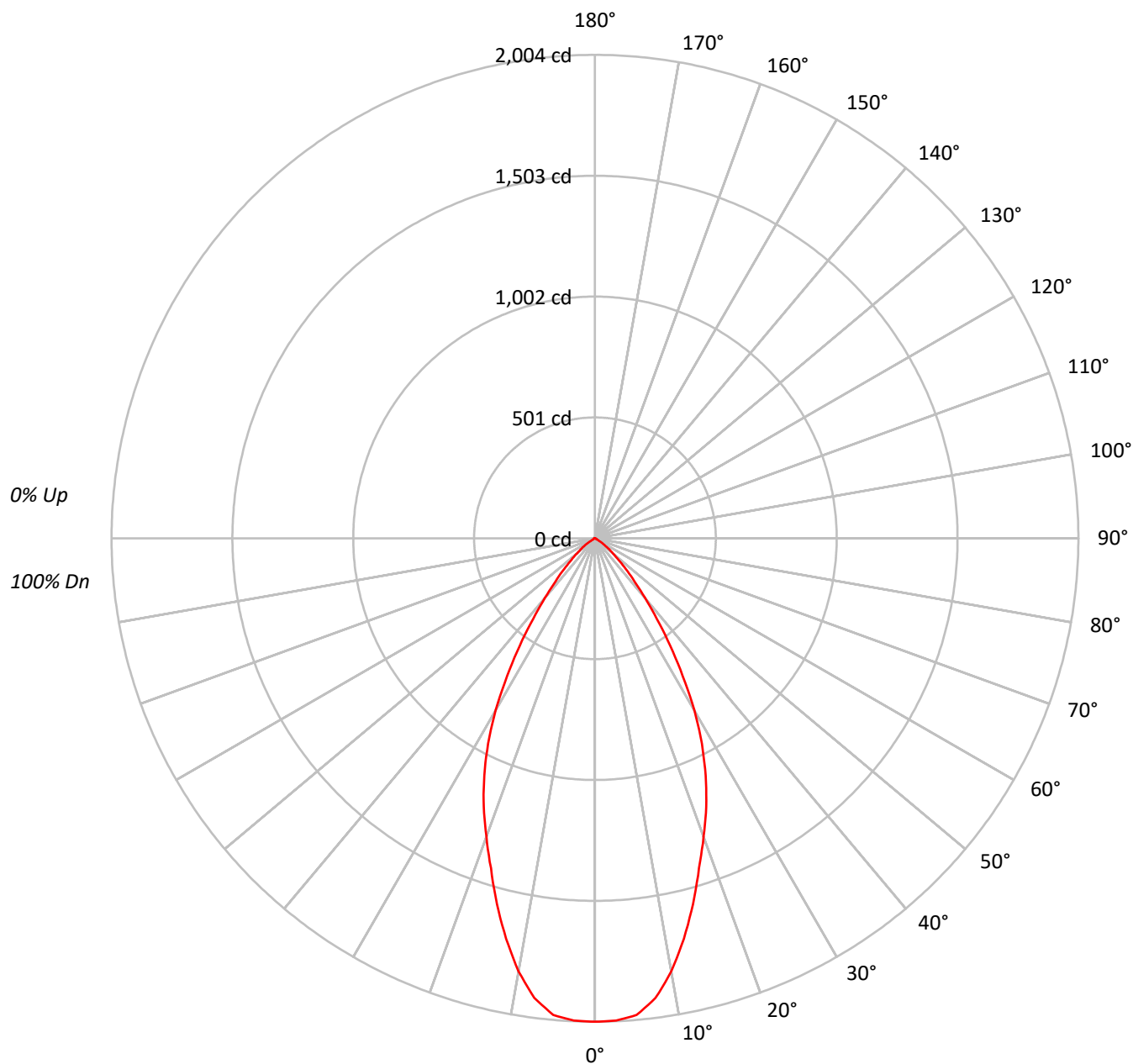
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	106	111	108	106	104	104	102	101		101	99	98		97
2	108	102	98	95	105	101	97	94	98	94	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		87
4	97	89	83	79	95	88	82	78	85	81	77		83	80	76		82
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	87	78	71	67	85	77	71	67	75	70	66		74	69	66		73
7	82	73	67	62	81	72	66	62	71	66	62		70	65	62		69
8	78	69	62	58	77	68	62	58	67	62	58		66	61	58		65
9	74	65	59	55	73	64	58	54	63	58	54		62	57	54		61
10	71	61	55	51	70	61	55	51	60	55	51		59	54	51		58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	776203
5°	771236
10°	717025
15°	629425
20°	542585
25°	463974
30°	368236
35°	256670
40°	162413
45°	99095
50°	58633
55°	32078
60°	6972
65°	6232
70°	5096
75°	6735
80°	5130
85°	10222



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.1	11.1
10°-20°	437.1	26.4
20°-30°	493.2	29.8
30°-40°	341.2	20.6
40°-50°	145.4	8.8
50°-60°	42.1	2.5
60°-70°	6.1	0.4
70°-80°	3.9	0.2
80°-90°	1.6	0.1
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°	1114.4	67.3
0°-40°	1455.6	88.0
0°-60°	1643.2	99.3
0°-90°	1654.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1654.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2004	
5°	1984	184
15°	1570	437
25°	1086	493
35°	543	341
45°	181	145
55°	48	42
65°	7	6
75°	4	4
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2003.9
2.5°	2001.6
5°	1983.5
7.5°	1922.5
10°	1823.0
12.5°	1700.8
15°	1569.6
17.5°	1433.9
20°	1316.3
22.5°	1205.5
25°	1085.6
27.5°	959.0
30°	823.3
32.5°	676.3
35°	542.8
37.5°	420.7
40°	321.2
42.5°	242.0
45°	180.9
47.5°	131.2
50°	97.3
52.5°	70.1
55°	47.5
57.5°	20.4
60°	9.0
62.5°	6.8
65°	6.8
67.5°	4.5
70°	4.5
72.5°	4.5
75°	4.5
77.5°	2.3
80°	2.3
82.5°	2.3
85°	2.3
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)