

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 EU2B20WFL558027 2LBDLC*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 EU2B20WFL558027 2LBDLC*MW
Description: 2000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

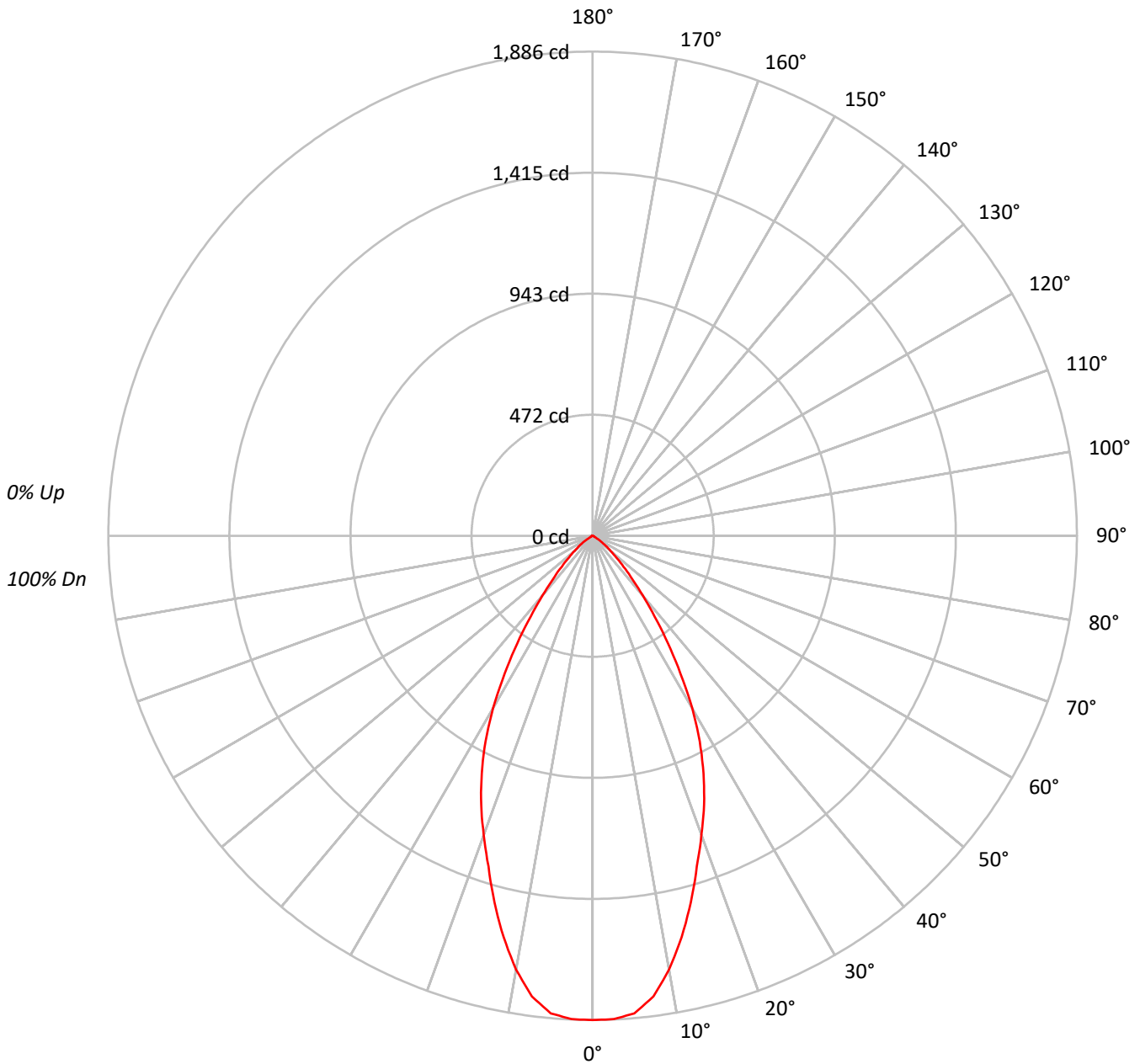
Lumens per Lamp: N/A
Luminaire Lumens: 1557.7 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (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	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93			
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86			
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80			
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74			
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69			
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64			
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60			
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56			
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53			
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	730689
5°	726054
10°	674979
15°	592532
20°	510804
25°	436792
30°	346633
35°	241633
40°	152856
45°	93289
50°	55198
55°	30187
60°	6585
65°	5866
70°	4870
75°	6435
80°	4684
85°	9333



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.3	11.1
10°-20°	411.5	26.4
20°-30°	464.3	29.8
30°-40°	321.2	20.6
40°-50°	136.9	8.8
50°-60°	39.6	2.5
60°-70°	5.8	0.4
70°-80°	3.7	0.2
80°-90°	1.4	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°	1049.1	67.4
0°-40°	1370.3	88.0
0°-60°	1546.8	99.3
0°-90°	1557.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1557.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1886	
5°	1867	173
15°	1478	412
25°	1022	464
35°	511	321
45°	170	137
55°	45	40
65°	6	6
75°	4	4
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1886.4
2.5°	1884.3
5°	1867.3
7.5°	1809.8
10°	1716.1
12.5°	1601.1
15°	1477.6
17.5°	1349.9
20°	1239.2
22.5°	1134.8
25°	1022.0
27.5°	902.8
30°	775.0
32.5°	636.6
35°	511.0
37.5°	396.0
40°	302.3
42.5°	227.8
45°	170.3
47.5°	123.5
50°	91.6
52.5°	66.0
55°	44.7
57.5°	19.2
60°	8.5
62.5°	6.4
65°	6.4
67.5°	4.3
70°	4.3
72.5°	4.3
75°	4.3
77.5°	2.1
80°	2.1
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)