

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: P222617

Luminaire Tested: **LD2B20D010 EU2B20NFL259035 2LBDSQC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (155)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B20D010 EU2B20NFL259035 2LBDSQC*MB
Description: 2000 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
SQUARE CAST TRIM WITH MATTE BLACK FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1460.8 lumens
Efficiency: N/A
Efficacy: 69.9 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

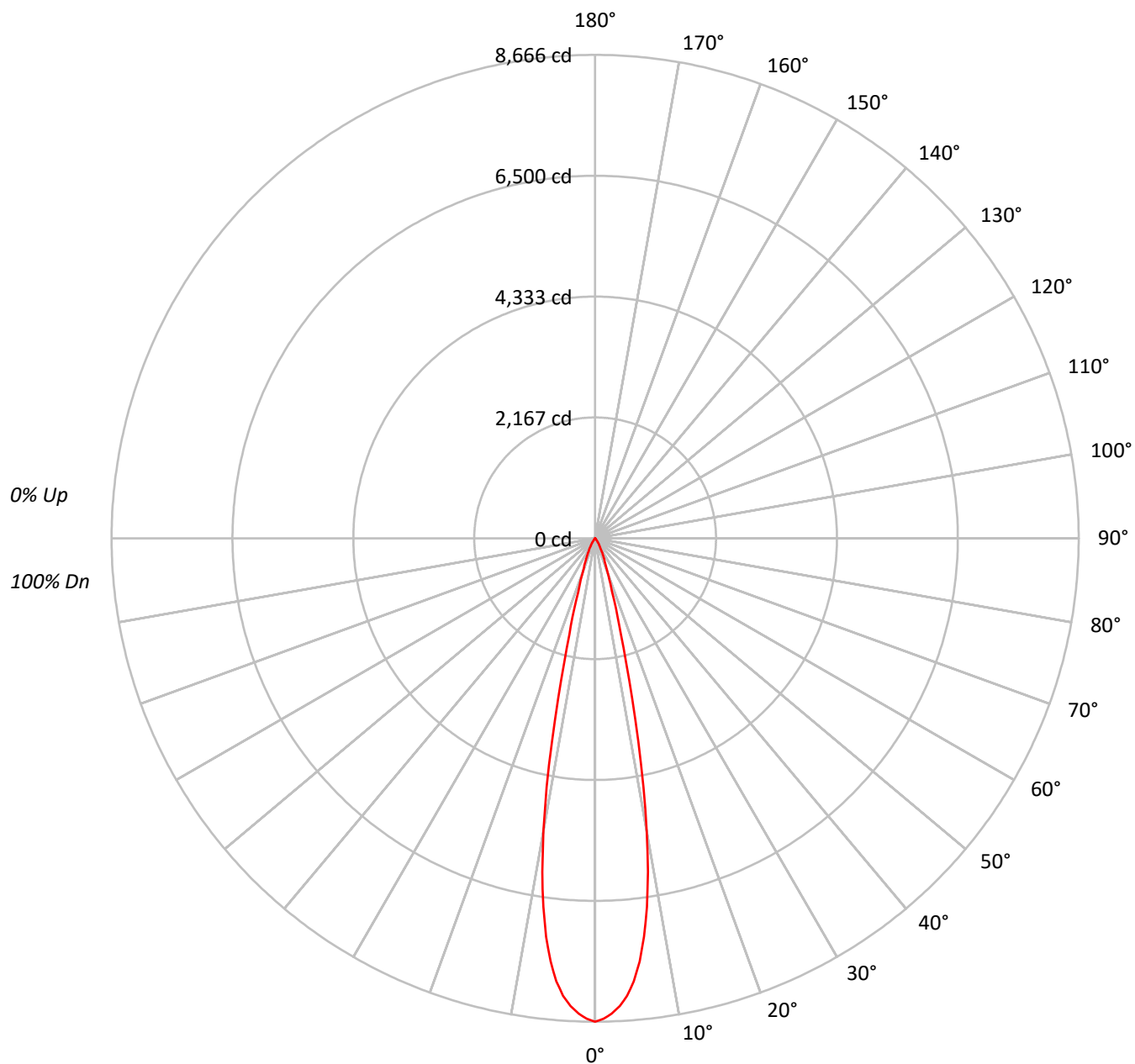
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3356895
5°	3099484
10°	2097937
15°	713758
20°	262162
25°	138987
30°	71429
35°	33337
40°	10922
45°	5533
50°	2591
55°	945
60°	1085
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.1	46.4
10°-20°	570.1	39.0
20°-30°	156.5	10.7
30°-40°	45.6	3.1
40°-50°	8.5	0.6
50°-60°	1.9	0.1
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°	1404.6	96.2
0°-40°	1450.3	99.3
0°-60°	1460.6	100.0
0°-90°	1460.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1460.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8666	
5°	7971	678
15°	1780	570
25°	325	156
35°	70	46
45°	10	8
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8666.4
1°	8616.0
2°	8526.8
3°	8398.7
4°	8223.2
5°	7971.4
6°	7627.5
7°	7197.3
8°	6672.1
9°	6051.9
10°	5333.9
11°	4546.9
12°	3728.1
13°	2946.8
14°	2280.6
15°	1779.9
17.5°	1004.3
20°	636.0
22.5°	453.2
25°	325.2
27.5°	230.2
30°	159.7
32.5°	112.2
35°	70.5
37.5°	28.8
40°	21.6
42.5°	15.8
45°	10.1
47.5°	5.8
50°	4.3
52.5°	2.9
55°	1.4
57.5°	1.4
60°	1.4
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°	0.0
87.5°	0.0



(END OF REPORT)