

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: P222675

Luminaire Tested: **LD2B15D010 EU2B15NFL259035 2LBD*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P222675
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: LD2B15D010 EU2B15NFL259035 2LBD*WMH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
NARROW FLOOD OPTIC
SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1143.9 lumens
Efficiency: N/A
Efficacy: 80.0 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

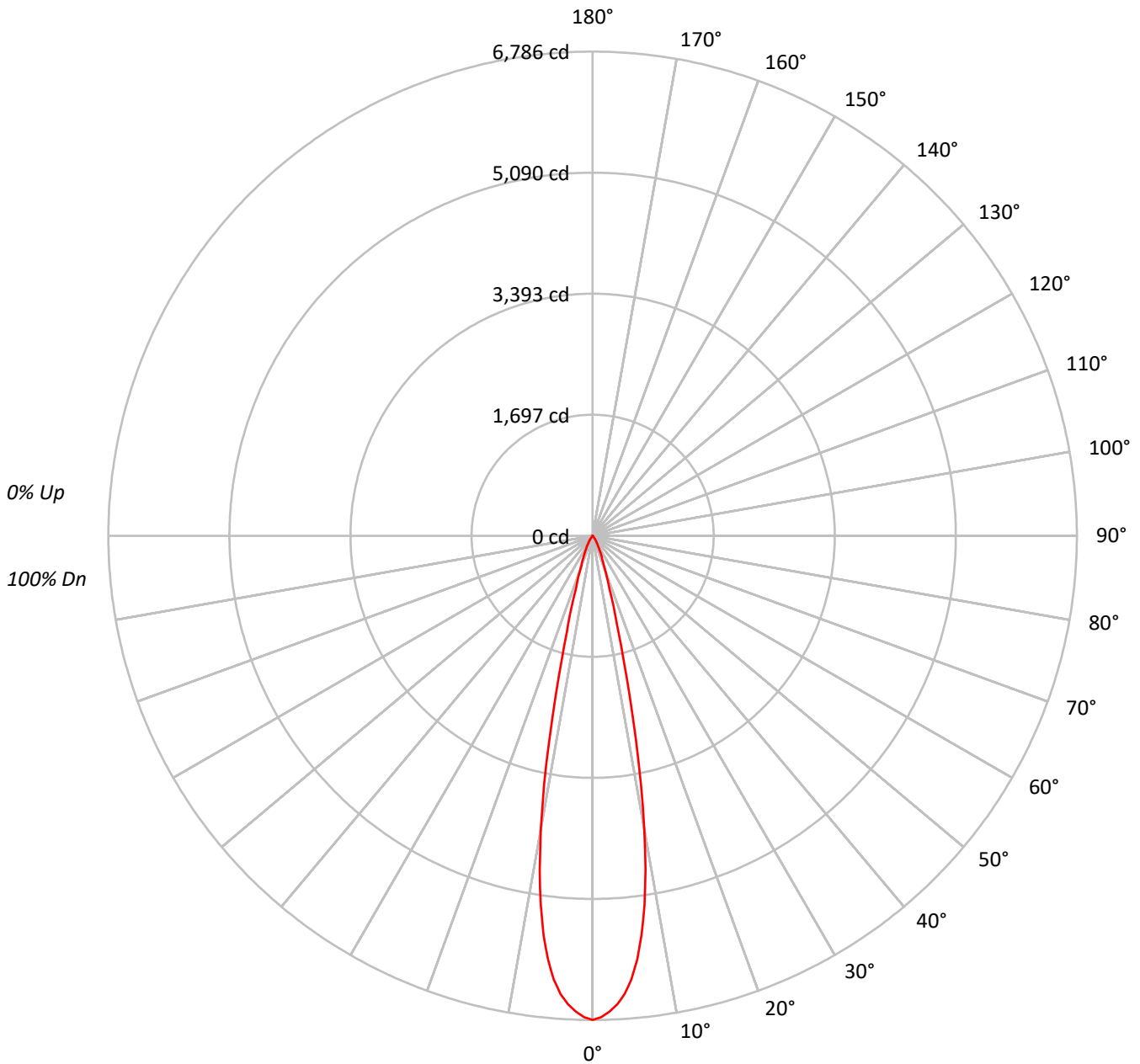
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									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	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										
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97									97										
2	112	109	106	104	110	107	104	102	104	102	100	101	99	98	98	97	96	95									95										
3	109	105	101	99	107	103	100	98	101	98	96	99	97	95	96	95	93	92									92										
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90									90										
5	103	98	94	91	102	97	94	91	95	92	90	94	91	89	93	90	89	88									88										
6	101	95	91	89	99	94	91	88	93	90	88	92	89	87	91	88	87	86									86										
7	98	92	89	86	97	92	88	86	91	88	85	90	87	85	89	86	85	84									84										
8	96	90	86	84	95	90	86	84	89	86	83	88	85	83	87	85	83	82									82										
9	94	88	84	82	93	88	84	82	87	84	82	86	83	81	85	83	81	80									80										
10	92	86	82	80	91	86	82	80	85	82	80	84	82	80	84	81	79	79									79										

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2628646
5°	2427088
10°	1642825
15°	558928
20°	205278
25°	108813
30°	55953
35°	26102
40°	8545
45°	4328
50°	2049
55°	743
60°	852
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.0	46.4
10°-20°	446.4	39.0
20°-30°	122.5	10.7
30°-40°	35.7	3.1
40°-50°	6.6	0.6
50°-60°	1.5	0.1
60°-70°	0.1	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°	1099.9	96.2
0°-40°	1135.7	99.3
0°-60°	1143.8	100.0
0°-90°	1143.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1143.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6786	
5°	6242	531
15°	1394	446
25°	255	123
35°	55	36
45°	8	7
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6786.3
1°	6746.9
2°	6677.0
3°	6576.8
4°	6439.3
5°	6242.1
6°	5972.8
7°	5635.9
8°	5224.7
9°	4739.0
10°	4176.8
11°	3560.5
12°	2919.4
13°	2307.6
14°	1785.9
15°	1393.8
17.5°	786.5
20°	498.0
22.5°	354.9
25°	254.6
27.5°	180.3
30°	125.1
32.5°	87.9
35°	55.2
37.5°	22.5
40°	16.9
42.5°	12.4
45°	7.9
47.5°	4.5
50°	3.4
52.5°	2.3
55°	1.1
57.5°	1.1
60°	1.1
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)