

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: P264469

Luminaire Tested: **LD2B15D010 EU2B1510SP159050 2LBSQC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-787-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B1510SP159050 2LBSQC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1032.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

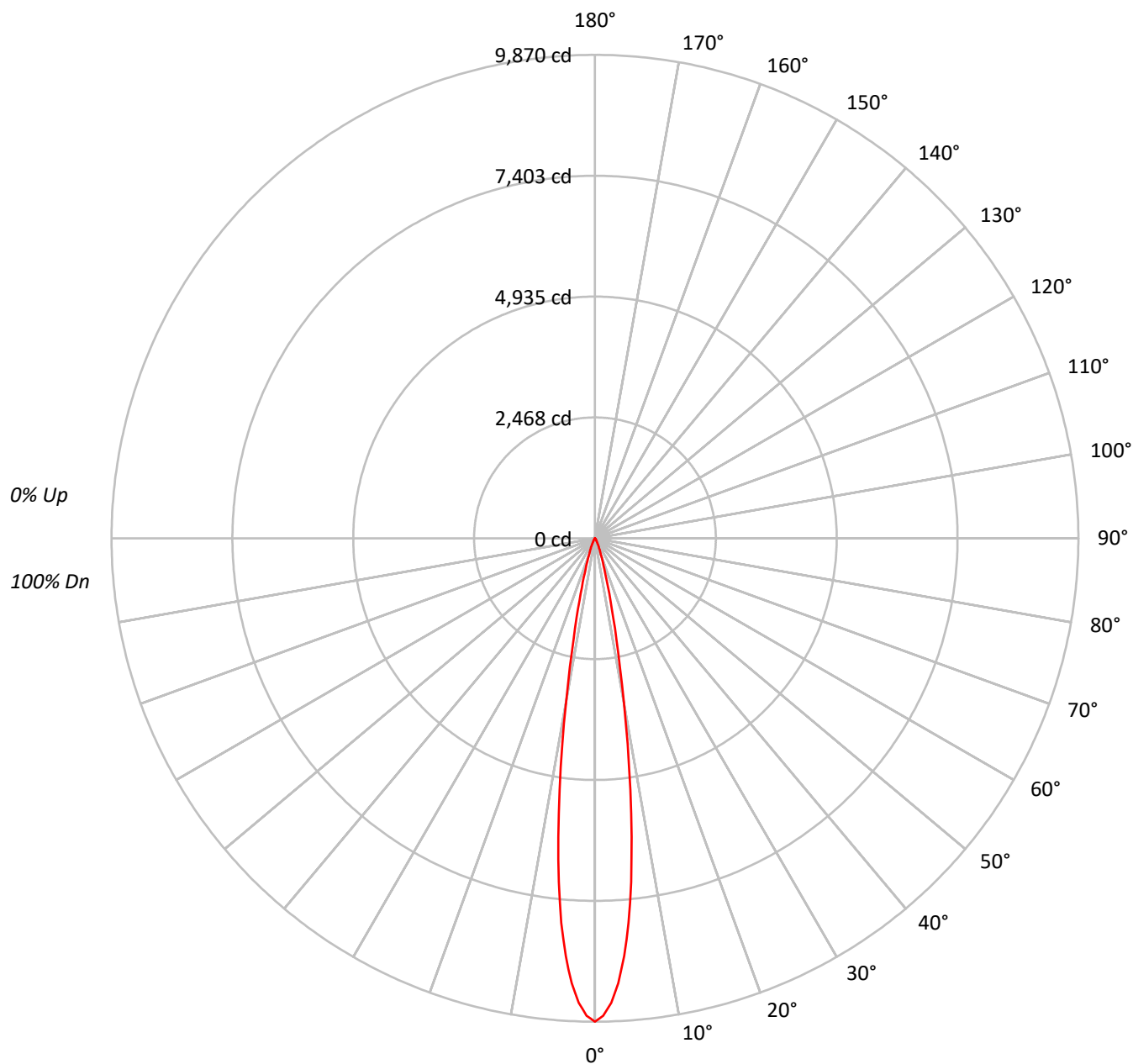
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	111		113	112	110	109		108	107	106		104	103	102		101	100	100
2	113	109	107	105		111	108	106	104		105	103	101		102	101	99		99	98	97
3	110	106	103	100		108	105	102	100		102	100	98		100	98	97		98	96	95
4	107	103	99	97		106	102	99	96		100	97	95		98	96	94		96	95	93
5	105	100	97	94		104	99	96	94		98	95	93		96	94	92		95	93	91
6	103	98	94	92		102	97	94	91		96	93	91		95	92	90		93	91	90
7	101	95	92	90		100	95	92	89		94	91	89		93	90	89		92	90	88
8	99	93	90	88		98	93	90	88		92	89	87		91	89	87		91	88	87
9	97	92	88	86		96	91	88	86		91	88	86		90	87	86		89	87	85
10	95	90	87	85		95	90	87	85		89	86	85		89	86	84		88	86	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4869629
5°	3903235
10°	1703608
15°	527927
20°	184021
25°	81274
30°	36802
35°	19153
40°	10884
45°	5163
50°	3224
55°	1806
60°	1085
65°	1284
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.5	58.0
10°-20°	327.8	31.8
20°-30°	74.7	7.2
30°-40°	21.5	2.1
40°-50°	6.6	0.6
50°-60°	2.0	0.2
60°-70°	1.0	0.1
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°	1001.0	97.0
0°-40°	1022.5	99.1
0°-60°	1031.1	99.9
0°-90°	1032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9870	
5°	7881	599
15°	1034	328
25°	149	75
35°	32	21
45°	7	7
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9870.3
1°	9747.4
2°	9492.2
3°	9096.1
4°	8551.7
5°	7881.4
6°	7059.6
7°	6141.4
8°	5182.9
9°	4255.2
10°	3400.6
11°	2677.3
12°	2107.5
13°	1658.5
14°	1310.0
15°	1033.6
16°	815.5
17°	649.2
18°	522.1
19°	424.7
20°	350.5
22.5°	226.6
25°	149.3
26°	126.0
27°	107.0
28°	90.0
29°	75.2
30°	64.6
32.5°	44.5
35°	31.8
37.5°	23.3
40°	16.9
42.5°	11.6
45°	7.4
47.5°	5.3
50°	4.2
52.5°	3.2
55°	2.1
57.5°	1.1
60°	1.1
62.5°	1.1
65°	1.1
67.5°	1.1



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CANDELA DISTRIBUTION (continued):

	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



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— 0°-180°







70°	0.0
72.5°	0.0



(END OF REPORT)