

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: P265041

Luminaire Tested: **LD2B15D010 EU2B1510SP159035 2LBSQLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P265041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1711-432-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B1510SP159035 2LBSQLC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1066.0 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.32
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

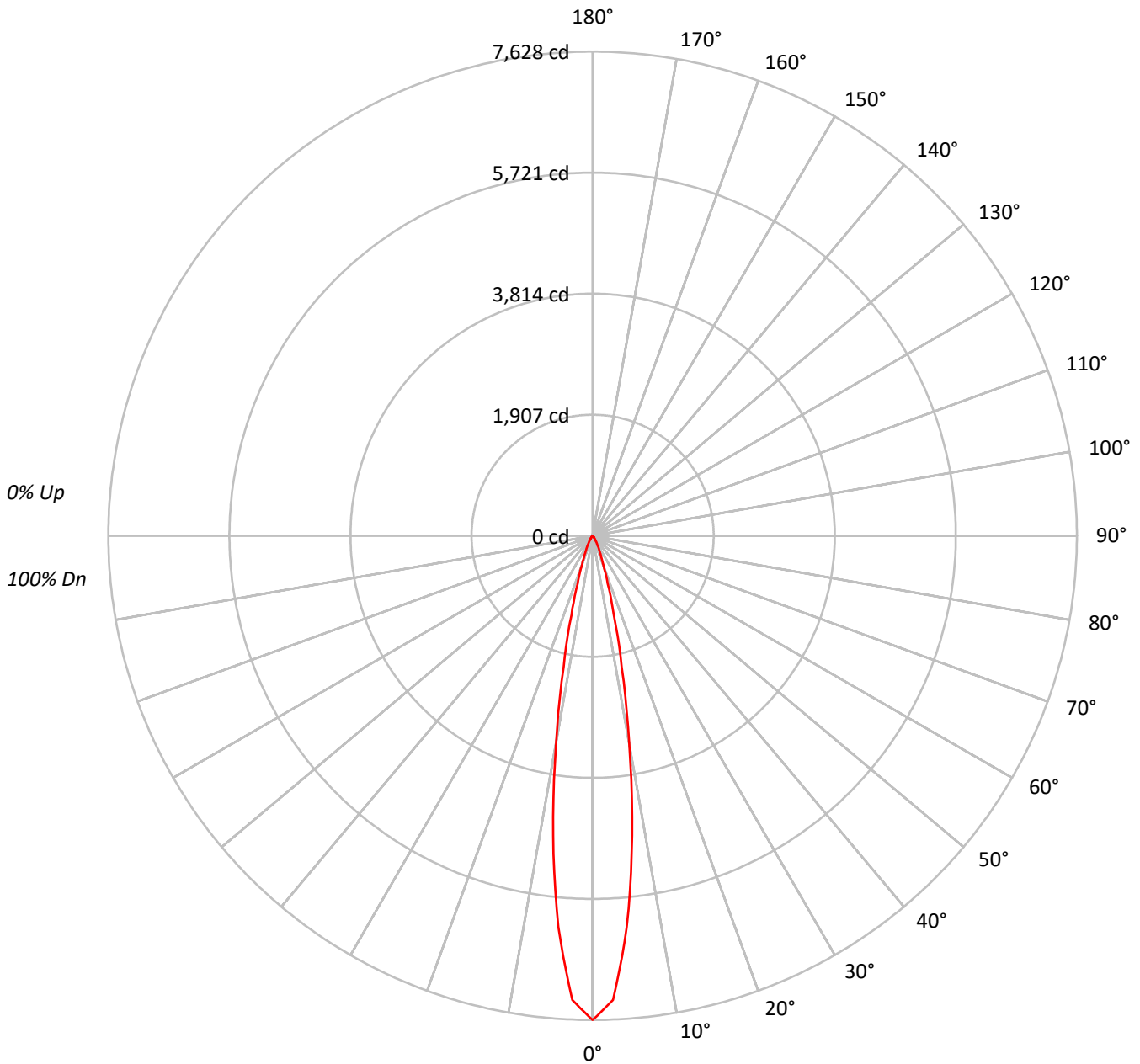
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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									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	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97									97																			
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94									94																			
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92									92																			
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89									89																			
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87									87																			
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85									85																			
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83									83																			
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81									81																			
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79									79																			
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78									78																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3763216
5°	3062851
10°	1654462
15°	659705
20°	264507
25°	126674
30°	65685
35°	34692
40°	19257
45°	11931
50°	8213
55°	5505
60°	4243
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.4	46.7
10°-20°	392.4	36.8
20°-30°	115.8	10.9
30°-40°	38.5	3.6
40°-50°	14.5	1.4
50°-60°	6.4	0.6
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°	1005.5	94.3
0°-40°	1044.1	97.9
0°-60°	1065.0	99.9
0°-90°	1066.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1066.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7628	
5°	6184	497
15°	1292	392
25°	233	116
35°	58	39
45°	17	14
55°	6	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7627.7
2.5°	7320.3
5°	6184.5
7.5°	4764.9
10°	3302.5
12.5°	2113.5
15°	1291.6
17.5°	787.7
20°	503.8
22.5°	337.3
25°	232.7
27.5°	164.4
30°	115.3
32.5°	81.1
35°	57.6
37.5°	40.6
40°	29.9
42.5°	23.5
45°	17.1
47.5°	14.9
50°	10.7
52.5°	8.5
55°	6.4
57.5°	6.4
60°	4.3
62.5°	2.1
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
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)