

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: P264617

Luminaire Tested: **LD2B15D010 EU2B1510SP158027 2LBDL*GPH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264617
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 EU2B1510SP158027 2LBDL*GPH
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1214.0 lumens
Efficiency: N/A
Efficacy: 84.9 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

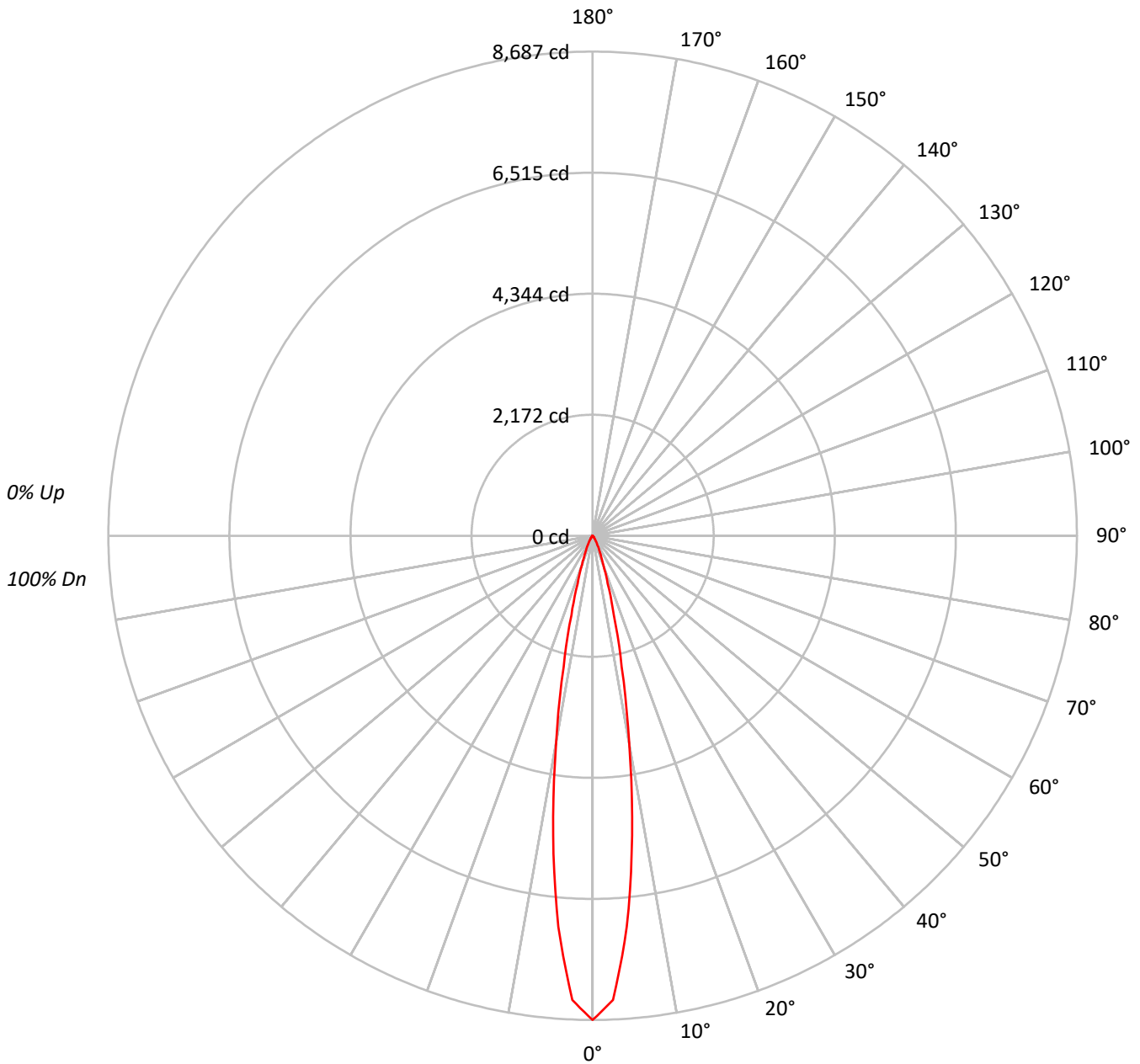
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97																																				
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94																																				
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92																																				
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89																																				
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87																																				
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85																																				
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83																																				
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81																																				
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79																																				
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	78	78																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4285686
5°	3488119
10°	1884208
15°	751285
20°	301259
25°	144257
30°	74800
35°	39510
40°	21897
45°	13536
50°	9364
55°	6279
60°	4835
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.4	46.7
10°-20°	446.9	36.8
20°-30°	131.8	10.9
30°-40°	43.9	3.6
40°-50°	16.5	1.4
50°-60°	7.3	0.6
60°-70°	1.2	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°	1145.1	94.3
0°-40°	1189.0	97.9
0°-60°	1212.8	99.9
0°-90°	1214.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1214.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8687	
5°	7043	566
15°	1471	447
25°	265	132
35°	66	44
45°	19	16
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8686.7
2.5°	8336.6
5°	7043.2
7.5°	5426.4
10°	3761.1
12.5°	2406.9
15°	1470.9
17.5°	897.1
20°	573.8
22.5°	384.1
25°	265.0
27.5°	187.2
30°	131.3
32.5°	92.4
35°	65.6
37.5°	46.2
40°	34.0
42.5°	26.7
45°	19.4
47.5°	17.0
50°	12.2
52.5°	9.7
55°	7.3
57.5°	7.3
60°	4.9
62.5°	2.4
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)