

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: P264312

Luminaire Tested: **LD2B15D010 EU2B1510SP159030 2LBSQC*MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264312
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 EU2B1510SP159030 2LBSQC*MB
Description: 1500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1033.1 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

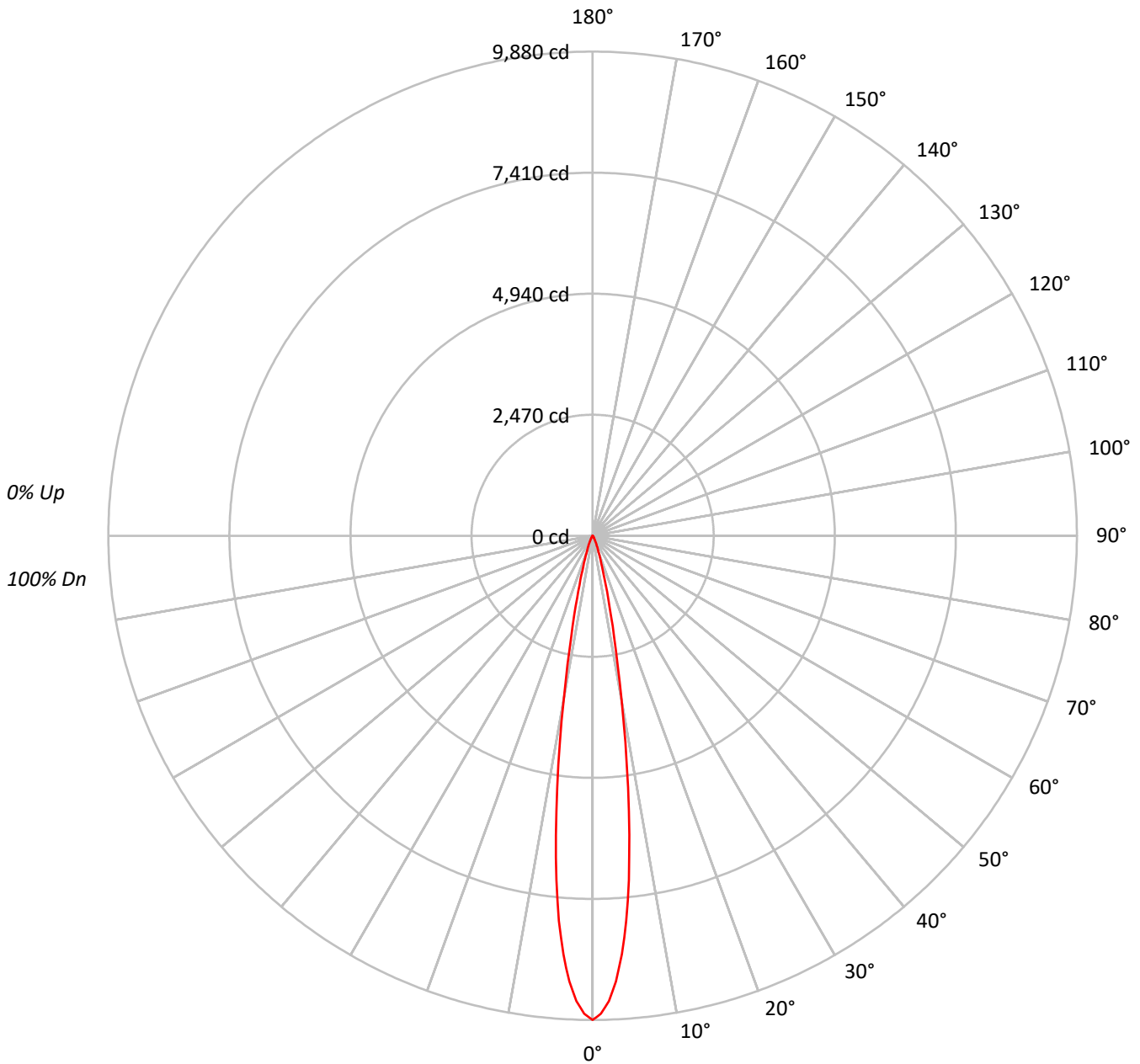
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P264312

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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	0																								
RCR																																																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																																				
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	98	98	97	96	96	95	93	92	91	90	89	87	86	85	84	83																					
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83																							
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83																									
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92	91	90	89	88	87	86	85	84	83																											
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90	89	88	87	86	85	84	83																													
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89	88	87	86	85	84	83																														
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	87	86	85	84	83																																
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	86	85	84	83																																	
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	84	83																																			
10	95	90	87	85	95	90	87	85	89	86	85	89	86	84	88	86	84	83																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4874316
5°	3906998
10°	1705261
15°	528438
20°	184231
25°	81382
30°	36859
35°	19153
40°	10949
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°	599.1	58.0
10°-20°	328.1	31.8
20°-30°	74.8	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°	1002.0	97.0
0°-40°	1023.5	99.1
0°-60°	1032.1	99.9
0°-90°	1033.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1033.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9880	
5°	7889	599
15°	1035	328
25°	150	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°	9879.8
1°	9756.8
2°	9501.4
3°	9104.9
4°	8560.0
5°	7889.0
6°	7066.4
7°	6147.3
8°	5188.0
9°	4259.3
10°	3403.9
11°	2679.8
12°	2109.5
13°	1660.1
14°	1311.3
15°	1034.6
16°	816.3
17°	649.8
18°	522.6
19°	425.1
20°	350.9
22.5°	226.9
25°	149.5
26°	126.1
27°	107.1
28°	90.1
29°	75.3
30°	64.7
32.5°	44.5
35°	31.8
37.5°	23.3
40°	17.0
42.5°	11.7
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)