

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: P264025

Luminaire Tested: **LD2B05D010 EU2B0510SP158035 2LBDC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P264025
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: LD2B05D010 EU2B0510SP158035 2LBDC*MMS
Description: 500 Lumen, 2inch Portfolio LED Downlight
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 697.0 lumens
Efficiency: N/A
Efficacy: 95.5 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

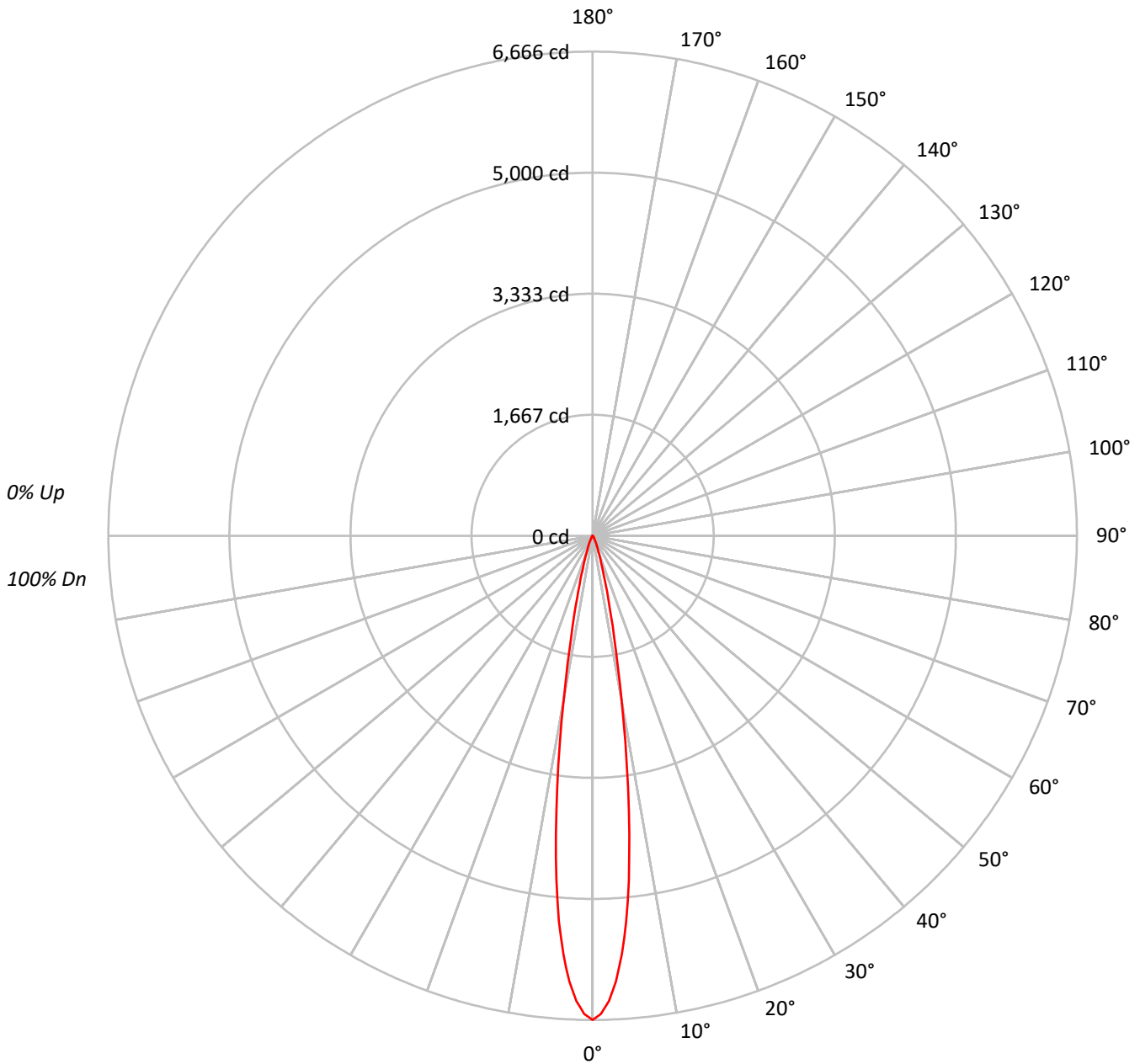
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	94	94	93	92	92	91	90	89																							
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	95	94	94	93	92	92	91	90	89	88	87	86																							
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	94	92	95	93	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	94	92	95	93	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°	3288848
5°	2636196
10°	1150584
15°	356566
20°	124326
25°	54926
30°	24838
35°	12949
40°	7342
45°	3489
50°	2226
55°	1204
60°	691
65°	817
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.2	58.0
10°-20°	221.4	31.8
20°-30°	50.5	7.2
30°-40°	14.5	2.1
40°-50°	4.5	0.6
50°-60°	1.3	0.2
60°-70°	0.6	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°	676.1	97.0
0°-40°	690.6	99.1
0°-60°	696.4	99.9
0°-90°	697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6666	
5°	5323	404
15°	698	221
25°	101	50
35°	22	14
45°	5	4
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6666.2
1°	6583.3
2°	6410.9
3°	6143.4
4°	5775.7
5°	5323.0
6°	4767.9
7°	4147.8
8°	3500.5
9°	2873.9
10°	2296.7
11°	1808.2
12°	1423.4
13°	1120.1
14°	884.8
15°	698.1
16°	550.8
17°	438.5
18°	352.6
19°	286.8
20°	236.8
22.5°	153.1
25°	100.9
26°	85.1
27°	72.2
28°	60.8
29°	50.8
30°	43.6
32.5°	30.0
35°	21.5
37.5°	15.7
40°	11.4
42.5°	7.9
45°	5.0
47.5°	3.6
50°	2.9
52.5°	2.1
55°	1.4
57.5°	0.7
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7



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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)