

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: P#

Luminaire Tested: **LD2B10D010 EU2B10WFL559027 2LBDL*WMH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14805)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B10D010 EU2B10WFL559027 2LBDL*WMH
Description: 1000 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED SPUN ROUND TRIM WITH WHEAT METALLIC HAZE FINISH
Light Source: -
Ballast/Driver: -

Summary

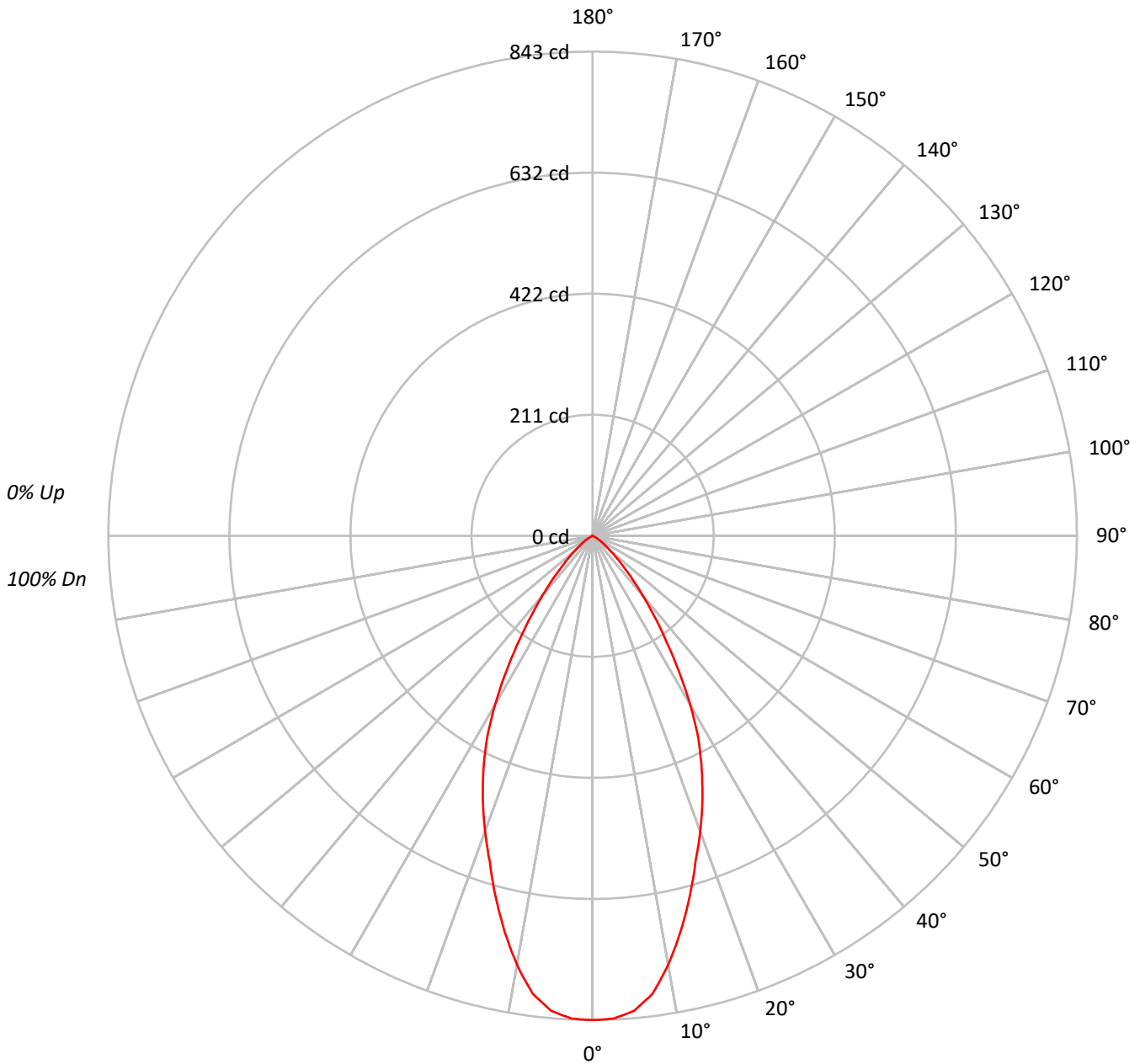
Lumens per Lamp: N/A
Luminaire Lumens: 685.8 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): 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				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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80				80
4	97	89	83	79	95	88	83	78	86	81	78	84	80	77	82	78	76	74				74
5	92	83	77	73	90	82	77	72	80	75	72	79	74	71	77	73	70	69				69
6	87	78	72	67	85	77	71	67	75	70	67	74	70	66	73	69	66	64				64
7	82	73	67	63	81	72	67	62	71	66	62	70	65	62	69	65	61	60				60
8	78	69	63	58	77	68	62	58	67	62	58	66	61	58	65	61	58	56				56
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53				53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50				50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	326610
5°	322725
10°	298295
15°	261418
20°	225641
25°	192069
30°	152116
35°	105590
40°	68616
45°	41303
50°	23863
55°	13371
60°	5810
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	11.2
10°-20°	181.6	26.5
20°-30°	204.5	29.8
30°-40°	141.2	20.6
40°-50°	61.2	8.9
50°-60°	19.0	2.8
60°-70°	1.4	0.2
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°	463.1	67.5
0°-40°	604.3	88.1
0°-60°	684.5	99.8
0°-90°	685.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	843	
5°	830	77
15°	652	182
25°	449	204
35°	223	141
45°	75	61
55°	20	19
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	843.2
2.5°	841.3
5°	830.0
7.5°	803.6
10°	758.4
12.5°	706.6
15°	651.9
17.5°	595.4
20°	547.4
22.5°	499.3
25°	449.4
27.5°	398.5
30°	340.1
32.5°	278.9
35°	223.3
37.5°	175.2
40°	135.7
42.5°	102.7
45°	75.4
47.5°	55.6
50°	39.6
52.5°	28.3
55°	19.8
57.5°	14.1
60°	7.5
62.5°	1.9
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)