

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: **LD2B05D010 EU2B05WFL559024 2LBDLC*MMS**

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 (P14811)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B05D010 EU2B05WFL559024 2LBDLC*MMS
Description: 500 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 467.9 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.83
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

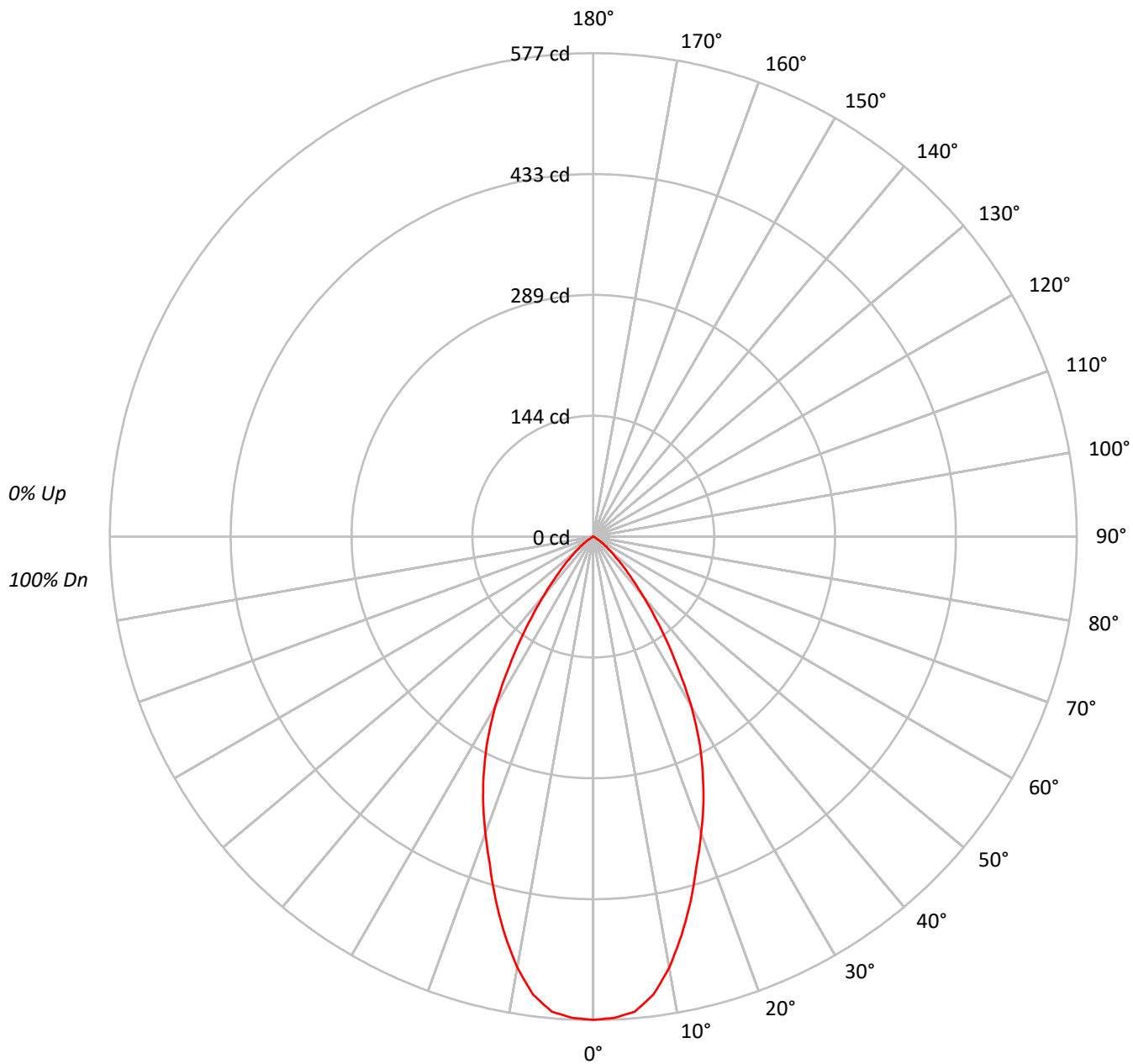
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	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			100
1	113	111	108	106		111	108	106	104		104	103	101			101	99	98			93
2	108	103	99	95		106	101	97	94		98	95	92			95	92	90			87
3	102	96	91	87		100	94	90	86		92	88	84			89	86	83			80
4	97	89	84	79		95	88	83	79		86	81	78			84	80	77			75
5	92	83	77	73		90	82	77	73		81	76	72			79	75	71			69
6	87	78	72	68		86	77	72	67		76	71	67			74	70	66			65
7	83	73	67	63		81	73	67	63		71	66	62			70	65	62			60
8	79	69	63	59		77	68	63	59		67	62	58			66	62	58			56
9	75	65	59	55		74	65	59	55		64	58	55			63	58	55			53
10	71	62	56	52		70	61	55	52		60	55	51			59	55	51			50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	223421
5°	221281
10°	205392
15°	180294
20°	155154
25°	132063
30°	104571
35°	72584
40°	46115
45°	27773
50°	15848
55°	8644
60°	1007
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	11.3
10°-20°	125.2	26.7
20°-30°	140.5	30.0
30°-40°	96.8	20.7
40°-50°	40.9	8.7
50°-60°	11.5	2.5
60°-70°	0.3	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°	318.4	68.0
0°-40°	415.2	88.7
0°-60°	467.6	99.9
0°-90°	467.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	467.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	577	
5°	569	53
15°	450	125
25°	309	140
35°	154	97
45°	51	41
55°	13	12
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	576.8
2.5°	574.9
5°	569.1
7.5°	551.1
10°	522.2
12.5°	486.9
15°	449.6
17.5°	410.5
20°	376.4
22.5°	343.6
25°	309.0
27.5°	273.0
30°	233.8
32.5°	191.4
35°	153.5
37.5°	120.1
40°	91.2
42.5°	68.7
45°	50.7
47.5°	36.6
50°	26.3
52.5°	19.3
55°	12.8
57.5°	6.4
60°	1.3
62.5°	0.6
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)