

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 EU2B05WFL558040 2LBD*LI**

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 (P29153)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B05D010 EU2B05WFL558040 2LBD*LI
Description: 500 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 768.0 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.8
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

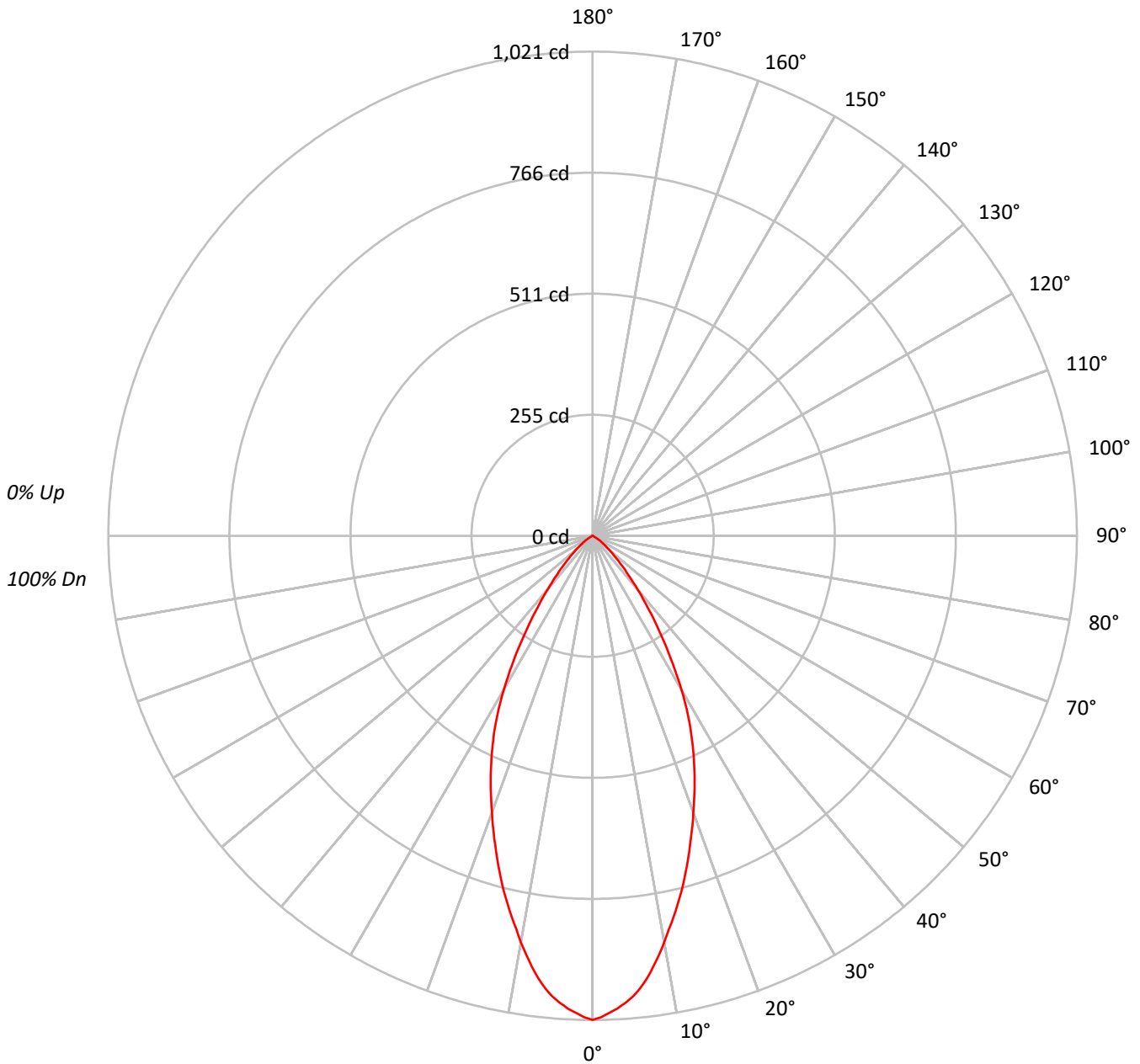
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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			
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	82	73	67	63	72	66	63	70	66	62	69	65	62	61			
8	79	69	63	59	78	69	63	59	68	62	59	66	62	58	66	61	58	57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	395480
5°	379105
10°	342347
15°	299956
20°	255938
25°	214677
30°	167457
35°	115426
40°	74127
45°	44864
50°	26334
55°	14722
60°	4261
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	11.7
10°-20°	207.9	27.1
20°-30°	228.5	29.7
30°-40°	154.6	20.1
40°-50°	66.3	8.6
50°-60°	20.2	2.6
60°-70°	0.9	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°	526.1	68.5
0°-40°	680.7	88.6
0°-60°	767.2	99.9
0°-90°	768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1021	
5°	975	90
15°	748	208
25°	502	228
35°	244	155
45°	82	66
55°	22	20
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1021.0
1°	1015.5
2°	1006.9
3°	998.4
4°	987.4
5°	975.0
6°	959.4
7°	940.6
8°	918.0
9°	894.6
10°	870.4
11°	844.7
12°	821.3
13°	797.1
14°	773.0
15°	748.0
17.5°	683.3
20°	620.9
22.5°	561.6
25°	502.3
27.5°	441.5
30°	374.4
32.5°	306.5
35°	244.1
37.5°	191.1
40°	146.6
42.5°	110.8
45°	81.9
47.5°	60.1
50°	43.7
52.5°	31.2
55°	21.8
57.5°	14.0
60°	5.5
62.5°	0.8
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



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0



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— 0°-180°







85°		0.0
87.5°		0.0



(END OF REPORT)