

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 EU2B05WFL558030 2LBD*MW**

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 (P14810)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B05D010 EU2B05WFL558030 2LBD*MW
Description: 500 Lumen, 2inch Portfolio LED Downlight
WIDE FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 731.0 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.84
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

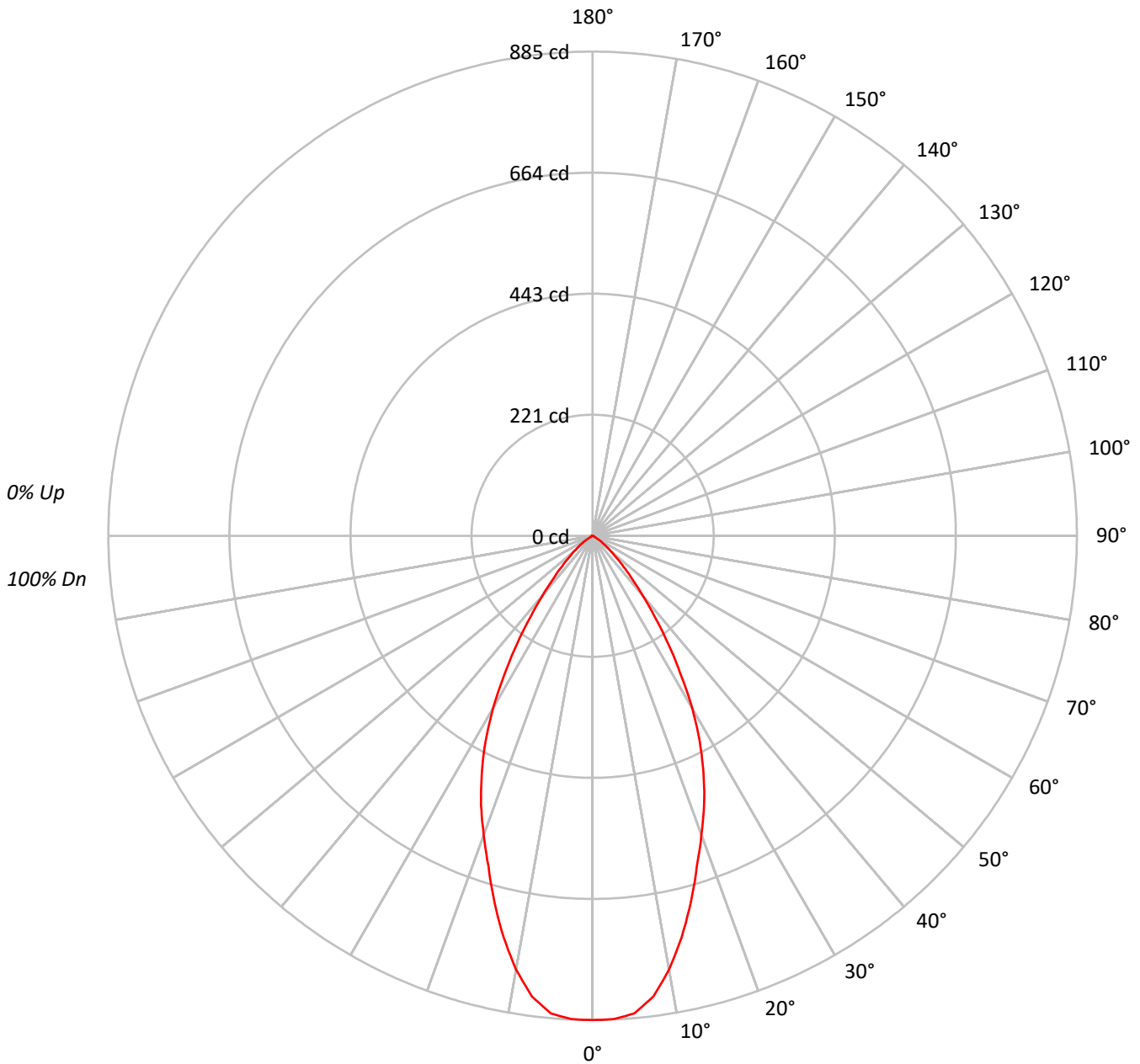
Input Watts (W): 7.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL558030 2LBD*MW

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL558030 2LBD*MW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	102	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	87	84	81	80
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	62	69	64	61	60
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	61	57	56
9	74	65	59	55	73	64	58	54	63	58	54	62	57	54	61	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	342917
5°	340728
10°	316742
15°	278060
20°	239697
25°	204976
30°	162672
35°	113392
40°	71751
45°	43768
50°	25912
55°	14182
60°	3099
65°	2750
70°	2265
75°	2993
80°	2231
85°	4444



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL558030 2LBD*MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	11.1
10°-20°	193.1	26.4
20°-30°	217.9	29.8
30°-40°	150.7	20.6
40°-50°	64.3	8.8
50°-60°	18.6	2.5
60°-70°	2.7	0.4
70°-80°	1.7	0.2
80°-90°	0.7	0.1
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°	492.3	67.3
0°-40°	643.1	88.0
0°-60°	725.9	99.3
0°-90°	731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	885	
5°	876	81
15°	693	193
25°	480	218
35°	240	151
45°	80	64
55°	21	19
65°	3	3
75°	2	2
85°	1	1
90°	0	



TEST NUMBER: P#

CATALOG NUMBER: LD2B05D010 EU2B05WFL558030 2LBD*MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	885.3
2.5°	884.3
5°	876.3
7.5°	849.3
10°	805.3
12.5°	751.4
15°	693.4
17.5°	633.5
20°	581.5
22.5°	532.6
25°	479.6
27.5°	423.6
30°	363.7
32.5°	298.8
35°	239.8
37.5°	185.8
40°	141.9
42.5°	106.9
45°	79.9
47.5°	58.0
50°	43.0
52.5°	31.0
55°	21.0
57.5°	9.0
60°	4.0
62.5°	3.0
65°	3.0
67.5°	2.0
70°	2.0
72.5°	2.0
75°	2.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)