

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: P224731

Luminaire Tested: **LD2B15D010 EU2B15FL408050 2LBD*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14835)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL408050 2LBD*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
SPUN ROUND TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1436.7 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

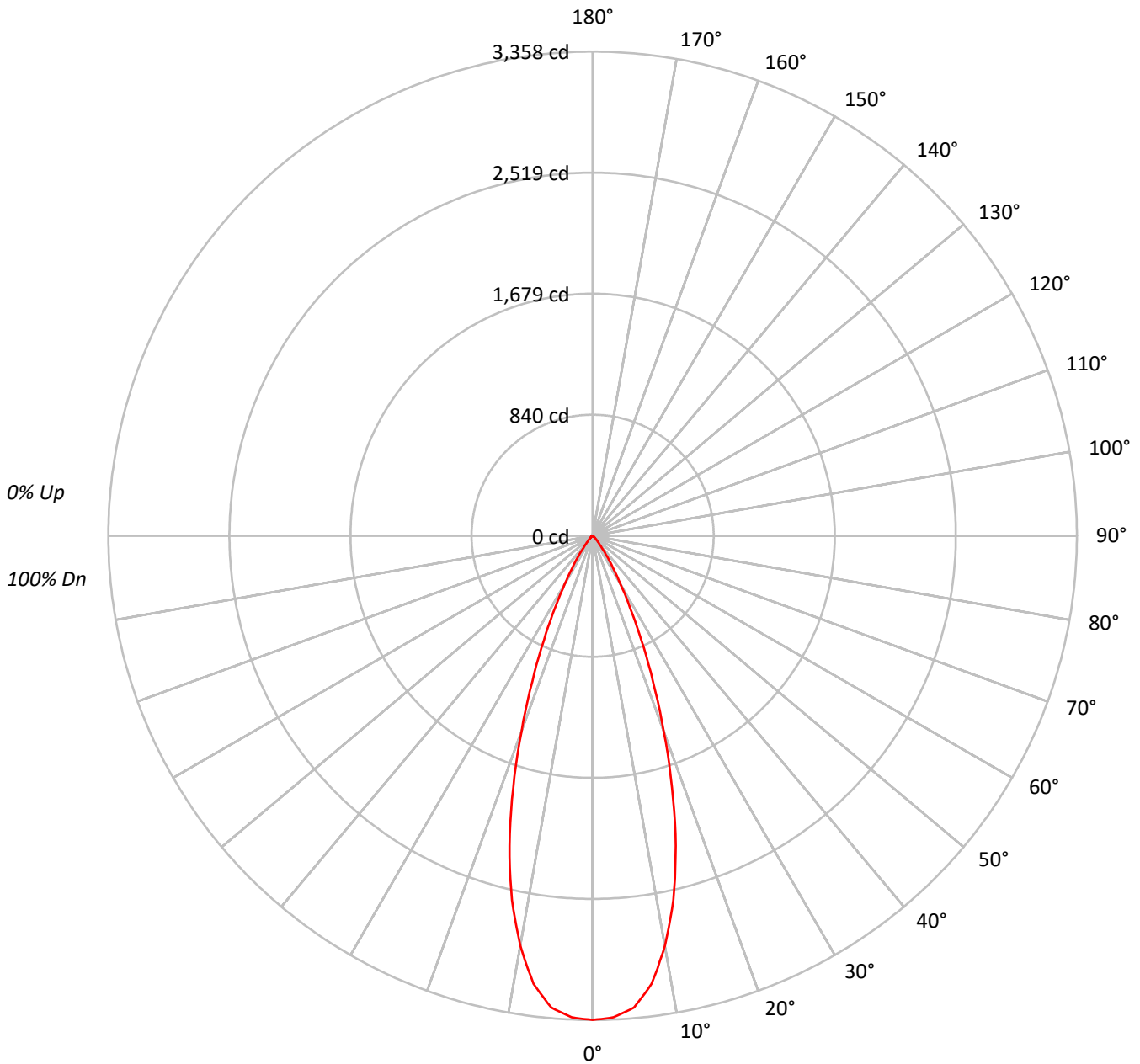
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91			
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	90	88	86			
4	101	95	90	87	100	94	90	86	92	88	85	90	87	85	88	86	84	82			
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79			
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75			
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72			
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69			
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66			
10	81	73	68	65	80	73	68	65	72	68	65	71	68	65	71	67	65	64			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1300669
5°	1276981
10°	1135165
15°	892769
20°	594070
25°	341056
30°	172288
35°	81049
40°	32614
45°	16160
50°	8858
55°	6213
60°	5733
65°	3391
70°	4190
75°	2694
80°	4015
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.8	20.9
10°-20°	603.1	42.0
20°-30°	375.2	26.1
30°-40°	115.4	8.0
40°-50°	25.3	1.8
50°-60°	9.0	0.6
60°-70°	4.6	0.3
70°-80°	2.6	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°	1279.0	89.0
0°-40°	1394.4	97.1
0°-60°	1428.7	99.4
0°-90°	1436.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1436.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3358	
5°	3284	301
15°	2226	603
25°	798	375
35°	171	115
45°	30	25
55°	9	9
65°	4	5
75°	2	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3357.9
2.5°	3343.1
5°	3284.2
7.5°	3134.9
10°	2886.1
12.5°	2587.5
15°	2226.3
17.5°	1831.9
20°	1441.2
22.5°	1092.9
25°	798.0
27.5°	562.1
30°	385.2
32.5°	259.9
35°	171.4
37.5°	103.2
40°	64.5
42.5°	44.2
45°	29.5
47.5°	20.3
50°	14.7
52.5°	12.9
55°	9.2
57.5°	7.4
60°	7.4
62.5°	5.5
65°	3.7
67.5°	3.7
70°	3.7
72.5°	3.7
75°	1.8
77.5°	1.8
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)