

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: P224285

Luminaire Tested: **LD2B15D010 EU2B15FL409730 2LBDSQLC*MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224285
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 EU2B15FL409730 2LBDSQLC*MW
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE WHITE FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 901.6 lumens
Efficiency: N/A
Efficacy: 63.0 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

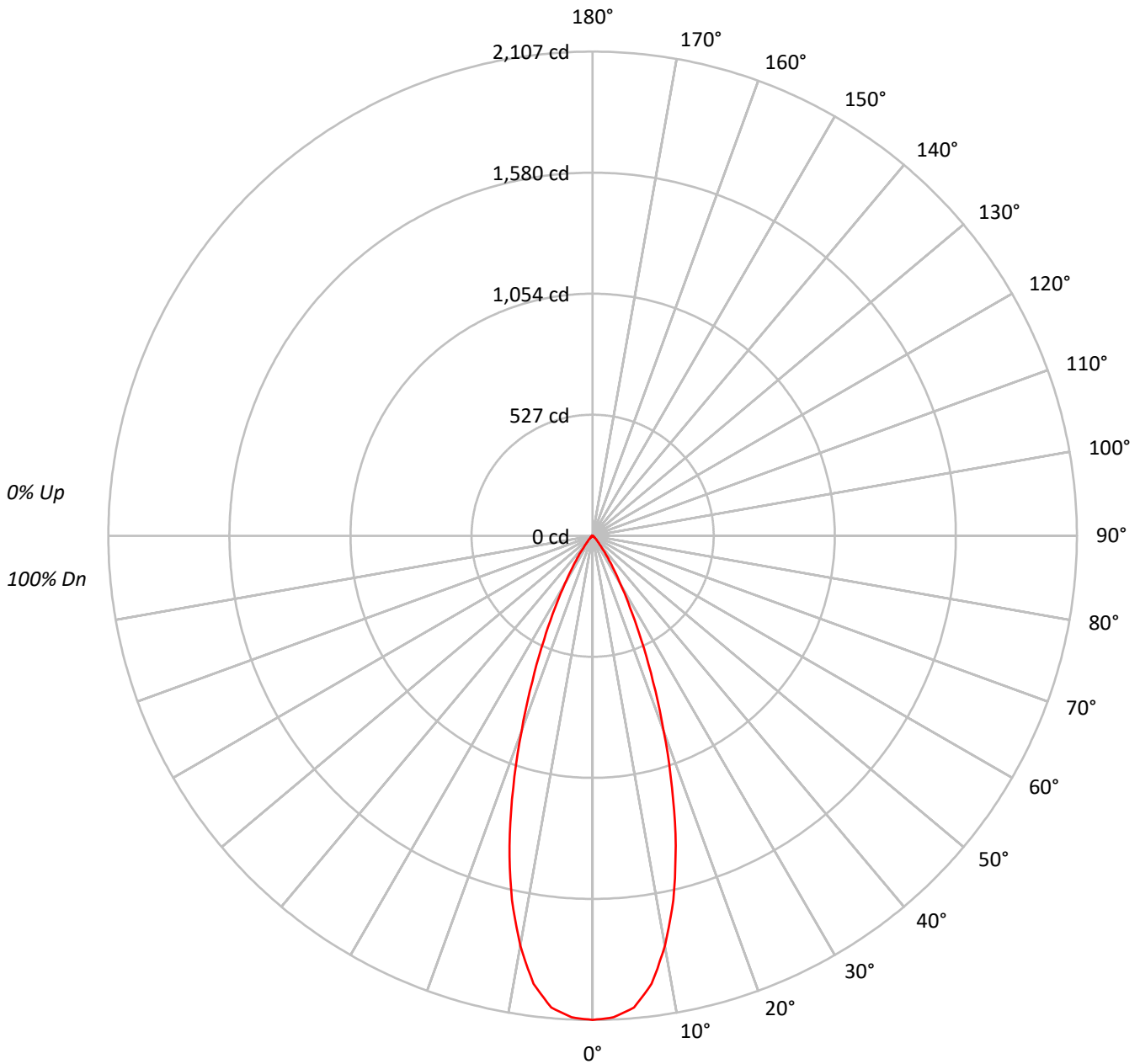
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	86	82	78	93	86	81	78	84	80	77	83	79	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°	816138
5°	801253
10°	712305
15°	560211
20°	372757
25°	213994
30°	108105
35°	50833
40°	20479
45°	10134
50°	5604
55°	3917
60°	3564
65°	2108
70°	2605
75°	1796
80°	2677
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.7	20.9
10°-20°	378.4	42.0
20°-30°	235.4	26.1
30°-40°	72.4	8.0
40°-50°	15.9	1.8
50°-60°	5.7	0.6
60°-70°	2.9	0.3
70°-80°	1.7	0.2
80°-90°	0.5	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°	802.6	89.0
0°-40°	874.9	97.0
0°-60°	896.5	99.4
0°-90°	901.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	901.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2107	
5°	2061	189
15°	1397	378
25°	501	235
35°	108	72
45°	18	16
55°	6	6
65°	2	3
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2107.0
2.5°	2097.7
5°	2060.7
7.5°	1967.1
10°	1811.0
12.5°	1623.6
15°	1397.0
17.5°	1149.5
20°	904.3
22.5°	685.8
25°	500.7
27.5°	352.7
30°	241.7
32.5°	163.1
35°	107.5
37.5°	64.8
40°	40.5
42.5°	27.8
45°	18.5
47.5°	12.7
50°	9.3
52.5°	8.1
55°	5.8
57.5°	4.6
60°	4.6
62.5°	3.5
65°	2.3
67.5°	2.3
70°	2.3
72.5°	2.3
75°	1.2
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)