

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: P224247

Luminaire Tested: **LD2B15D010 EU2B15FL408040 2LBDSQLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14836)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD2B15D010 EU2B15FL408040 2LBDSQLC*MMS
Description: 1500 Lumen, 2inch Portfolio LED Downlight
FLOOD OPTIC
LENSED SQUARE CAST TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1280.4 lumens
Efficiency: N/A
Efficacy: 89.5 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

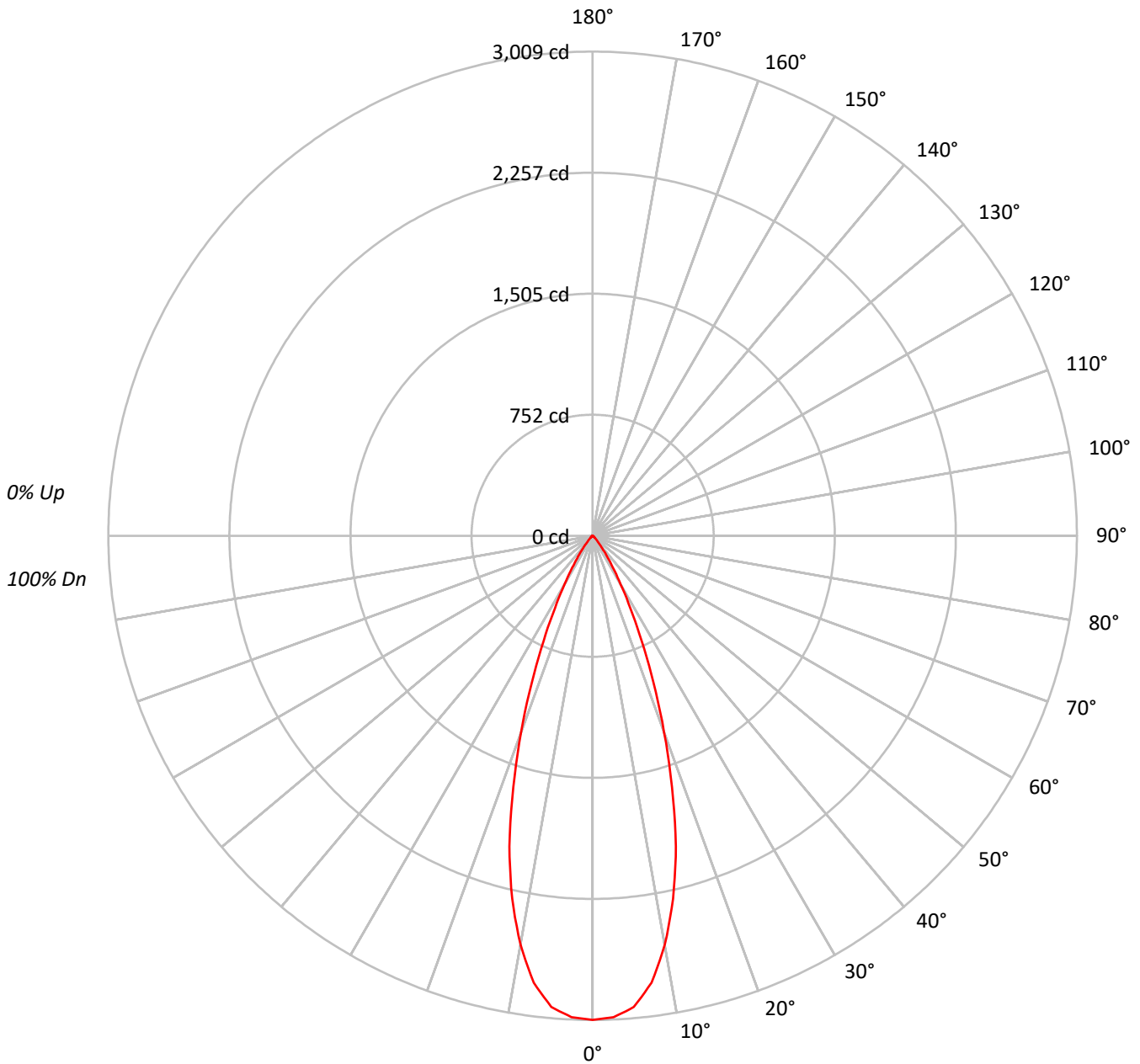
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1165485
5°	1143108
10°	1015438
15°	801338
20°	534465
25°	307635
30°	155828
35°	73057
40°	29934
45°	13476
50°	6930
55°	4457
60°	2556
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.1	21.0
10°-20°	540.0	42.2
20°-30°	338.2	26.4
30°-40°	104.7	8.2
40°-50°	21.6	1.7
50°-60°	6.0	0.5
60°-70°	0.8	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°	1147.3	89.6
0°-40°	1252.0	97.8
0°-60°	1279.6	99.9
0°-90°	1280.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3009	
5°	2940	269
15°	1998	540
25°	720	338
35°	154	105
45°	25	22
55°	7	6
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3008.9
2.5°	2994.2
5°	2939.9
7.5°	2801.9
10°	2581.7
12.5°	2310.5
15°	1998.3
17.5°	1638.4
20°	1296.6
22.5°	986.0
25°	719.8
27.5°	506.1
30°	348.4
32.5°	233.4
35°	154.5
37.5°	97.0
40°	59.2
42.5°	37.8
45°	24.6
47.5°	16.4
50°	11.5
52.5°	8.2
55°	6.6
57.5°	4.9
60°	3.3
62.5°	1.6
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)