

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: P207046

Luminaire Tested: **LD4B15D010 EU4B10209727 4LBWMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P207046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35319)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD4B15D010 EU4B10209727 4LBWMW1
Description: PORTFOLIO 4 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-14.39W DE010-14.29W D5LT-14.34W DMX-14.46W DL2-15.8W
DL3-15.28W DLE-15.432W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 932.4 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.09
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

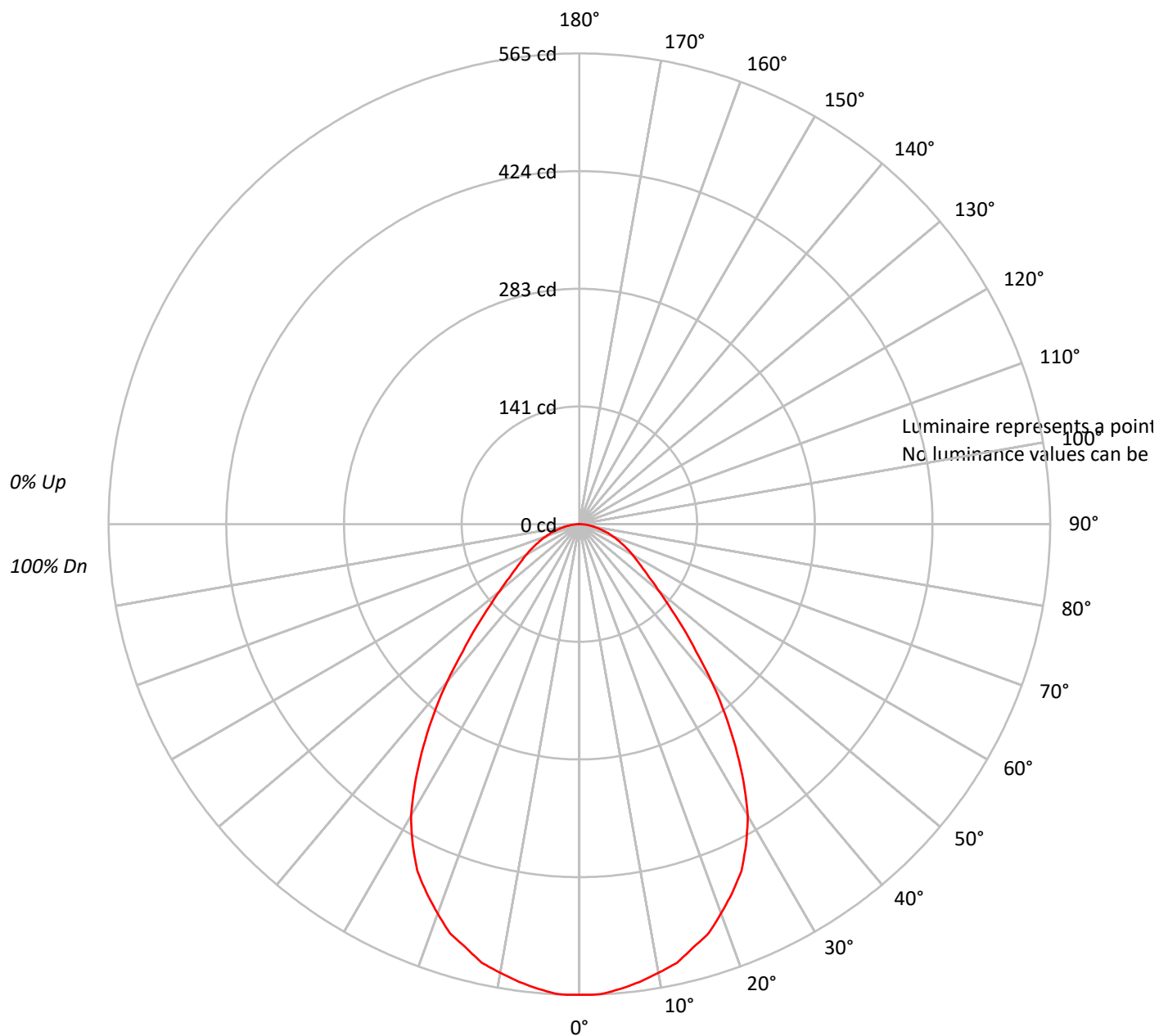
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88	
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78	
3	96	87	80	75	93	85	79	74	83	77	73	80	76	72	78	74	71	69	
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61	
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55	
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	60	55	51	50	
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45	
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	52	47	43	41	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38	
10	61	49	42	37	59	48	41	37	47	41	37	46	41	37	46	40	36	35	

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	5.7
10°-20°	148.4	15.9
20°-30°	209.7	22.5
30°-40°	203.1	21.8
40°-50°	137.0	14.7
50°-60°	85.1	9.1
60°-70°	56.8	6.1
70°-80°	31.1	3.3
80°-90°	8.2	0.9
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°	411.1	44.1
0°-40°	614.2	65.9
0°-60°	836.3	89.7
0°-90°	932.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	932.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	565	
5°	560	53
15°	526	148
25°	460	210
35°	327	203
45°	175	137
55°	93	85
65°	57	57
75°	29	31
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	565.0
2.5°	565.0
5°	560.2
7.5°	554.2
10°	546.9
12.5°	539.6
15°	526.3
17.5°	515.4
20°	497.3
22.5°	479.1
25°	459.8
27.5°	433.2
30°	404.1
32.5°	366.6
35°	326.7
37.5°	286.8
40°	246.8
42.5°	206.9
45°	175.4
47.5°	146.4
50°	124.6
52.5°	106.5
55°	93.2
57.5°	82.3
60°	73.8
62.5°	65.3
65°	56.9
67.5°	49.6
70°	42.3
72.5°	36.3
75°	29.0
77.5°	23.0
80°	16.9
82.5°	12.1
85°	7.3
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)