

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: P211184

Luminaire Tested: **LE_4B15D010 EC4B10208030 4LBM1H**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211184
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: LE_4B15D010 EC4B10208030 4LBM1H
Description: PORTFOLIO 4 INCH CYLINDER
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR 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: 1304.2 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

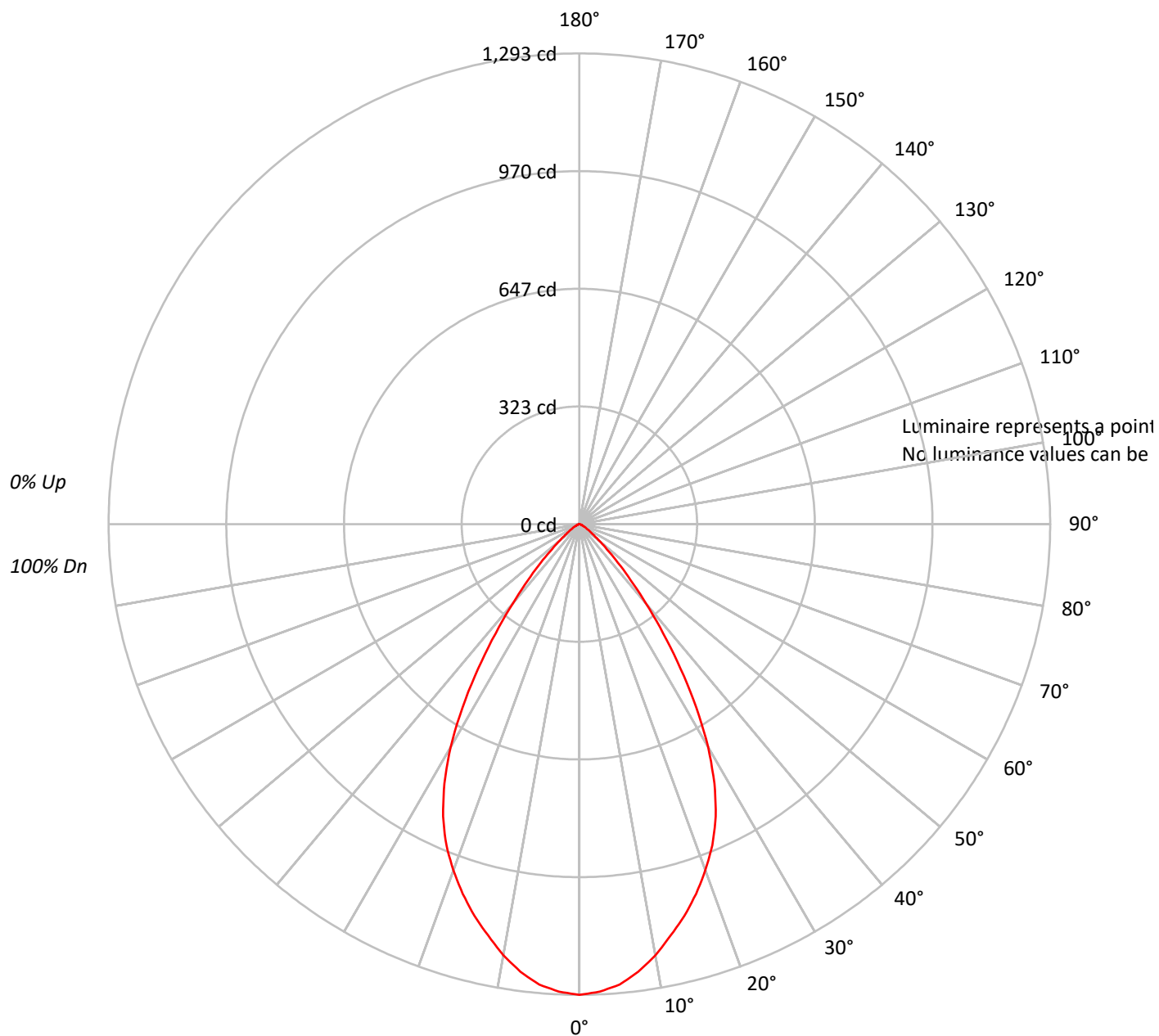
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P211184

CATALOG NUMBER: LE_4B15D010 EC4B10208030 4LBM1H

Luminous Intensity Polar Plot





TEST NUMBER: P211184

CATALOG NUMBER: LE_4B15D010 EC4B10208030 4LBM1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P211184

CATALOG NUMBER: LE_4B15D010 EC4B10208030 4LBM1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	9.1
10°-20°	312.2	23.9
20°-30°	401.2	30.8
30°-40°	301.8	23.1
40°-50°	121.2	9.3
50°-60°	34.4	2.6
60°-70°	10.9	0.8
70°-80°	3.1	0.2
80°-90°	0.3	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°	832.4	63.8
0°-40°	1134.2	87.0
0°-60°	1289.9	98.9
0°-90°	1304.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1304.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1293	
5°	1270	119
15°	1114	312
25°	886	401
35°	484	302
45°	150	121
55°	35	34
65°	10	11
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P211184

CATALOG NUMBER: LE_4B15D010 EC4B10208030 4LBM1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1293.2
2.5°	1285.3
5°	1269.6
7.5°	1240.0
10°	1202.7
12.5°	1157.3
15°	1114.1
17.5°	1064.9
20°	1011.8
22.5°	954.7
25°	885.8
27.5°	803.1
30°	706.7
32.5°	598.3
35°	484.2
37.5°	377.9
40°	283.4
42.5°	208.7
45°	149.6
47.5°	102.3
50°	70.9
52.5°	49.2
55°	35.4
57.5°	25.6
60°	19.7
62.5°	13.8
65°	9.9
67.5°	7.9
70°	5.9
72.5°	3.9
75°	2.0
77.5°	2.0
80°	2.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)