

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: P211256

Luminaire Tested: **LE_4B15D010 EC4B10209730 4LBS1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211256
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 EC4B10209730 4LBS1LI
Description: PORTFOLIO 4 INCH CYLINDER
SHALLOW DISTRIBUTION WITH 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: 1325.7 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

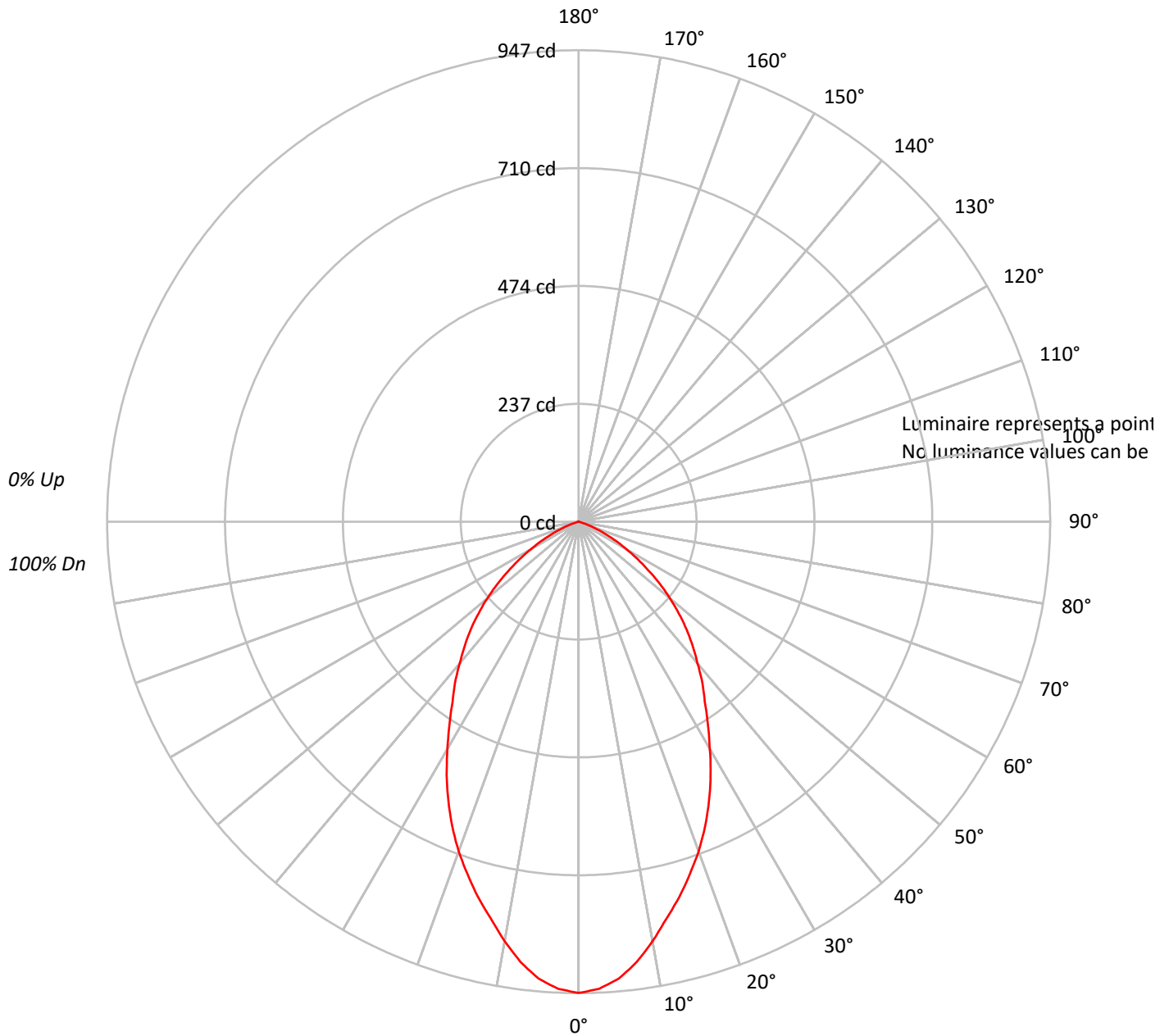
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P211256

CATALOG NUMBER: LE_4B15D010 EC4B10209730 4LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P211256

CATALOG NUMBER: LE_4B15D010 EC4B10209730 4LBS1LI

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	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	108	105	102	109	106	103	101		102	100	98		98	96	95		95	93	92
2	104	98	93	88	102	96	91	87		93	89	85		90	86	84		87	84	82
3	97	89	82	77	95	87	81	77		84	79	75		82	78	74		79	76	73
4	90	81	73	68	88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	73	66	61	82	72	65	60		70	64	60		69	63	59		67	62	59
6	79	67	60	54	77	66	59	54		65	58	54		63	58	53		62	57	53
7	74	62	54	49	72	61	54	49		60	53	49		58	53	48		57	52	48
8	69	57	50	45	68	57	50	45		55	49	45		54	49	44		53	48	44
9	65	53	46	41	64	53	46	41		52	45	41		51	45	41		50	44	41
10	61	50	43	38	60	49	42	38		48	42	38		47	42	38		46	41	37

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P211256

CATALOG NUMBER: LE_4B15D010 EC4B10209730 4LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	6.5
10°-20°	218.9	16.5
20°-30°	283.7	21.4
30°-40°	277.9	21.0
40°-50°	235.6	17.8
50°-60°	154.4	11.6
60°-70°	62.1	4.7
70°-80°	7.1	0.5
80°-90°	0.2	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°	588.4	44.4
0°-40°	866.3	65.3
0°-60°	1256.3	94.8
0°-90°	1325.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	947	
5°	922	86
15°	781	219
25°	619	284
35°	442	278
45°	307	236
55°	172	154
65°	60	62
75°	3	7
85°	0	0
90°	0	



TEST NUMBER: P211256

CATALOG NUMBER: LE_4B15D010 EC4B10209730 4LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	946.6
2.5°	939.3
5°	921.6
7.5°	892.3
10°	855.6
12.5°	815.9
15°	780.7
17.5°	742.5
20°	704.5
22.5°	663.3
25°	619.3
27.5°	573.9
30°	526.9
32.5°	482.8
35°	441.7
37.5°	408.0
40°	371.3
42.5°	339.0
45°	306.7
47.5°	272.9
50°	239.2
52.5°	205.4
55°	171.7
57.5°	140.9
60°	111.5
62.5°	85.1
65°	60.2
67.5°	39.7
70°	23.4
72.5°	10.3
75°	2.9
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)