

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: P211417

Luminaire Tested: **LE_4B15D010 EC4B10209050 4LBM1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P211417
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 EC4B10209050 4LBM1LI
Description: PORTFOLIO 4 INCH CYLINDER
MEDIUM 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: 1417.3 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

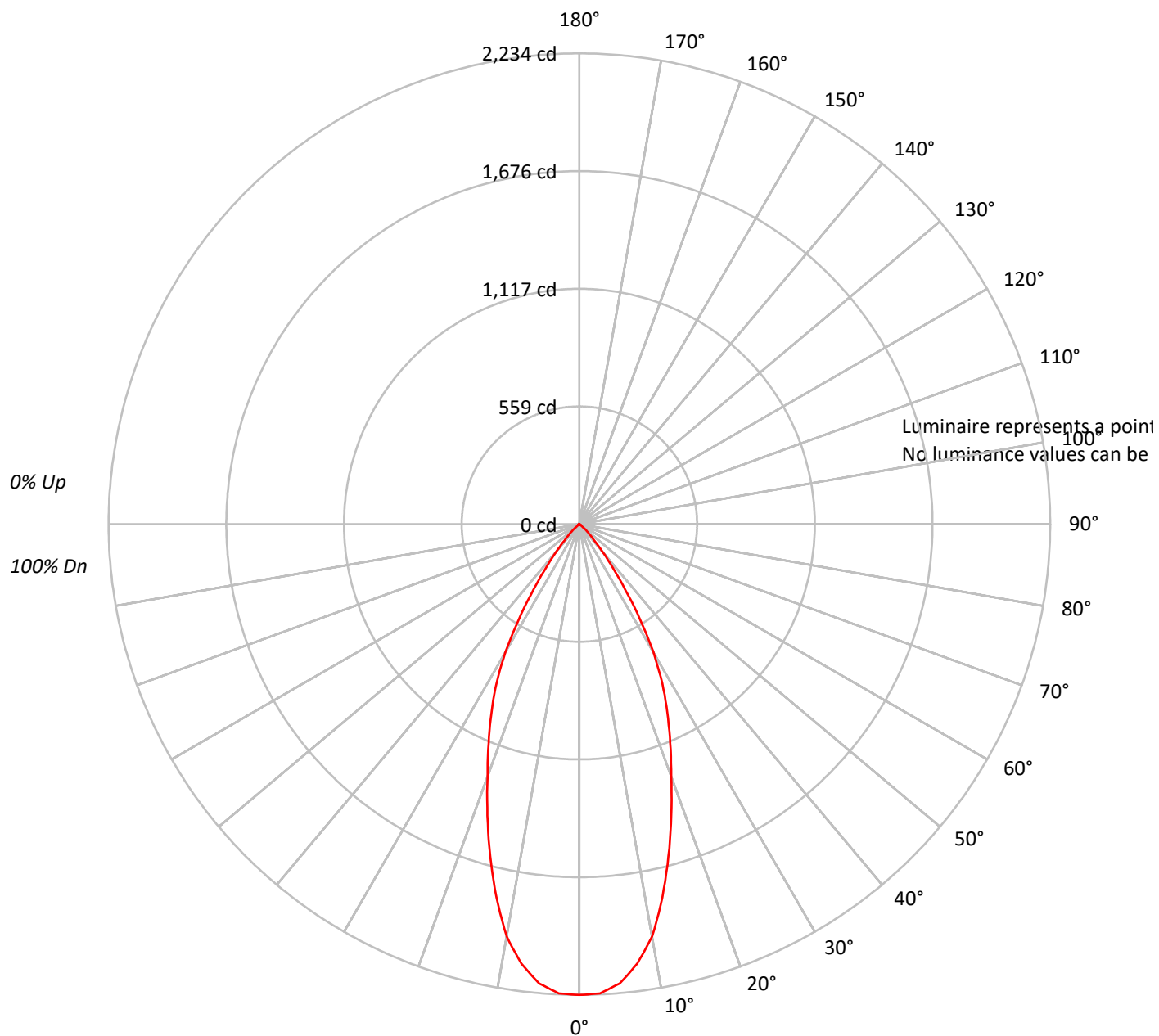
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P211417

CATALOG NUMBER: LE_4B15D010 EC4B10209050 4LBM1LI

Luminous Intensity Polar Plot





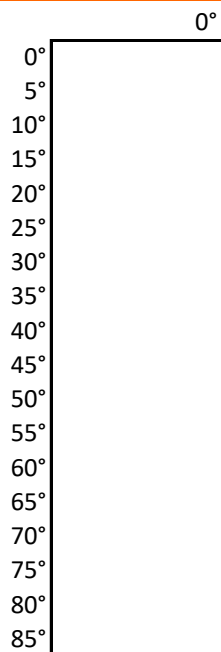
TEST NUMBER: P211417

CATALOG NUMBER: LE_4B15D010 EC4B10209050 4LBM1LI

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	114	111	109	107		111	109	107	105		105	103	102		101	100	99		98	97	96
2	109	104	100	97		107	102	99	96		99	96	94		96	94	92		94	92	90
3	104	98	93	89		102	96	92	89		94	90	87		91	88	86		89	87	85
4	99	92	87	83		97	91	86	82		89	85	81		87	83	80		85	82	79
5	94	87	81	77		93	86	81	77		84	79	76		82	78	75		81	77	75
6	90	82	76	72		89	81	76	72		80	75	71		78	74	71		77	73	71
7	86	77	72	68		85	77	71	68		75	71	67		74	70	67		73	69	67
8	82	73	68	64		81	73	67	64		72	67	64		71	66	63		70	66	63
9	79	70	64	60		78	69	64	60		68	63	60		67	63	60		67	63	60
10	75	66	61	57		74	66	61	57		65	60	57		64	60	57		64	60	57

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P211417

CATALOG NUMBER: LE_4B15D010 EC4B10209050 4LBM1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.3	14.3
10°-20°	452.3	31.9
20°-30°	449.7	31.7
30°-40°	244.9	17.3
40°-50°	56.6	4.0
50°-60°	8.0	0.6
60°-70°	3.0	0.2
70°-80°	0.7	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°	1104.3	77.9
0°-40°	1349.1	95.2
0°-60°	1413.7	99.7
0°-90°	1417.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1417.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2234	
5°	2188	202
15°	1632	452
25°	986	450
35°	379	245
45°	65	57
55°	9	8
65°	4	3
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P211417

CATALOG NUMBER: LE_4B15D010 EC4B10209050 4LBM1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	2234.4
2.5°	2229.2
5°	2188.1
7.5°	2104.0
10°	1987.4
12.5°	1816.0
15°	1632.5
17.5°	1450.7
20°	1272.4
22.5°	1126.6
25°	986.0
27.5°	852.3
30°	701.3
32.5°	533.3
35°	379.0
37.5°	255.5
40°	166.3
42.5°	104.6
45°	65.2
47.5°	37.7
50°	18.9
52.5°	10.3
55°	8.6
57.5°	5.1
60°	5.1
62.5°	3.5
65°	3.5
67.5°	1.7
70°	1.7
72.5°	1.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)