

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: P206217

Luminaire Tested: **LD4B15D010 EU4B10209030 4LBPSMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P206217
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 EU4B10209030 4LBPSMW1
Description: PORTFOLIO 4 INCH SHALLOW RECESSED DOWNLIGHT
SHALLOW DISTRIBUTION WITH PLASTIC 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: 1361.8 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

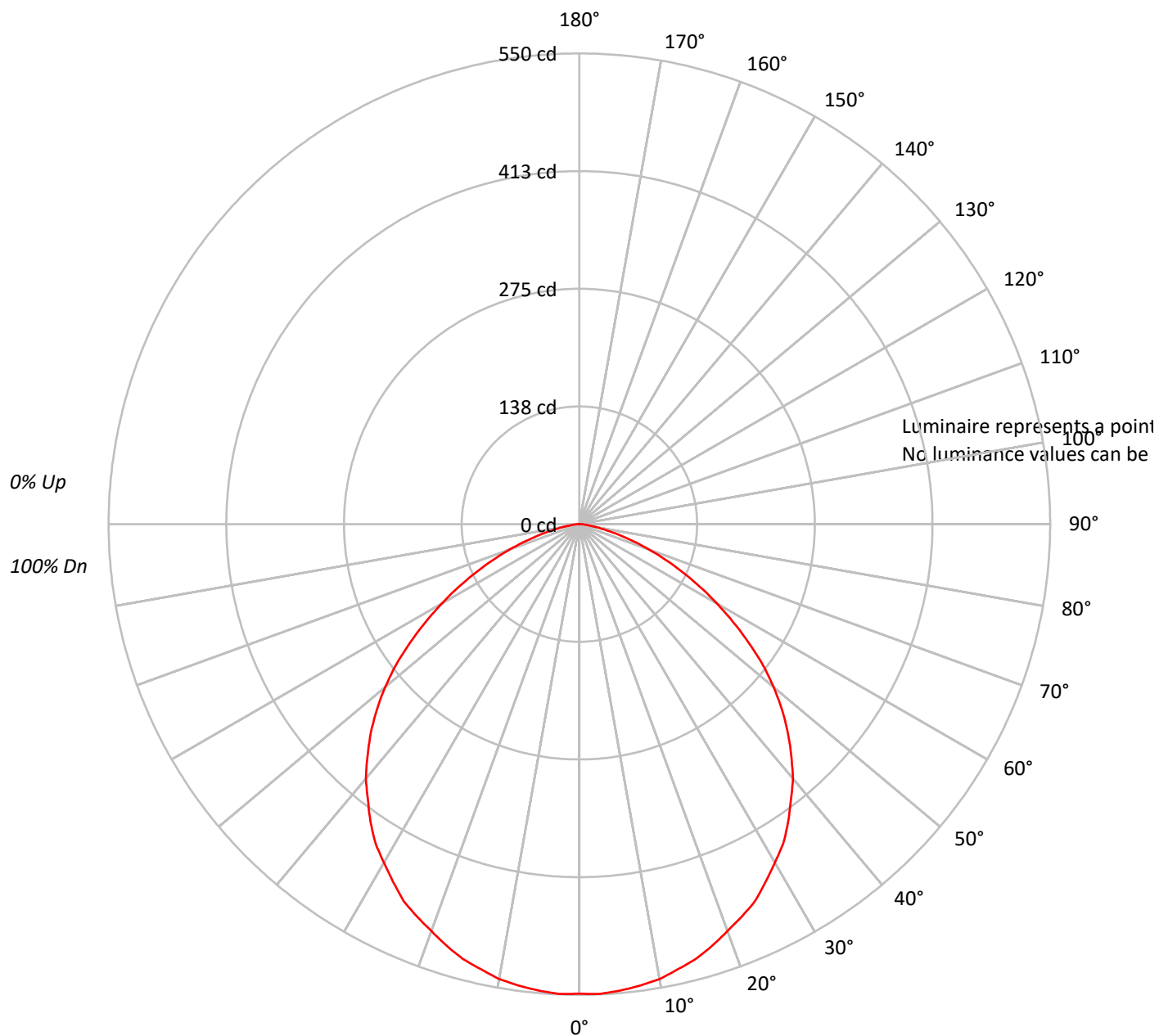
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P206217

CATALOG NUMBER: LD4B15D010 EU4B10209030 4LBPSMW1

Luminous Intensity Polar Plot





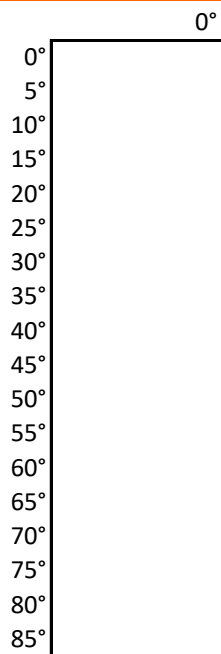
TEST NUMBER: P206217

CATALOG NUMBER: LD4B15D010 EU4B10209030 4LBPSMW1

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	110	106	102	99	107	104	100	97	99	97	94		96	93	91		92
2	101	93	87	82	98	92	86	81	88	83	79		85	81	77		82
3	93	83	75	69	90	81	74	69	78	72	67		76	70	66		73
4	85	74	65	59	83	72	65	59	70	63	58		68	62	57		66
5	78	66	58	51	76	65	57	51	63	56	51		61	55	50		59
6	73	60	51	45	71	59	51	45	57	50	44		55	49	44		54
7	67	54	46	40	66	54	46	40	52	45	40		51	44	39		49
8	63	50	41	36	61	49	41	36	48	41	35		46	40	35		45
9	59	46	38	32	57	45	37	32	44	37	32		43	36	32		42
10	55	42	34	29	54	42	34	29	41	34	29		40	33	29		39

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P206217

CATALOG NUMBER: LD4B15D010 EU4B10209030 4LBPSMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.0	3.8
10°-20°	148.2	10.9
20°-30°	223.2	16.4
30°-40°	265.6	19.5
40°-50°	265.1	19.5
50°-60°	215.6	15.8
60°-70°	132.6	9.7
70°-80°	51.4	3.8
80°-90°	8.2	0.6
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°	423.4	31.1
0°-40°	688.9	50.6
0°-60°	1169.6	85.9
0°-90°	1361.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	549	
5°	547	52
15°	526	148
25°	486	223
35°	425	266
45°	344	265
55°	241	216
65°	133	133
75°	47	51
85°	6	8
90°	0	



TEST NUMBER: P206217

CATALOG NUMBER: LD4B15D010 EU4B10209030 4LBPSMW1

CANDELA DISTRIBUTION (FULL):

0°	
0°	548.7
2.5°	549.5
5°	547.1
7.5°	543.8
10°	539.8
12.5°	532.6
15°	526.1
17.5°	516.4
20°	505.9
22.5°	496.2
25°	485.8
27.5°	471.2
30°	456.7
32.5°	443.0
35°	425.2
37.5°	405.9
40°	388.1
42.5°	366.3
45°	344.5
47.5°	321.1
50°	296.1
52.5°	270.3
55°	241.3
57.5°	213.0
60°	185.6
62.5°	159.0
65°	133.1
67.5°	108.9
70°	86.3
72.5°	65.4
75°	46.8
77.5°	30.7
80°	18.6
82.5°	11.3
85°	6.5
87.5°	3.2
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)