

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: P203543

Luminaire Tested: **LD6B15D010 EU6B10209730 6LBMMW1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P203543
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: LD6B15D010 EU6B10209730 6LBMMW1
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
MEDIUM DISTRIBUTION WITH MATTE WHITE TRIM
WATTAGE D010TR-14.39 W DE010-14.29 W D5LT-14.34 W DMX-14.46 W DL2-15.8 W
DL3-15.28 W DLE-15.432 W
Light Source: HIGH LUMEN LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 877.5 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.97
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

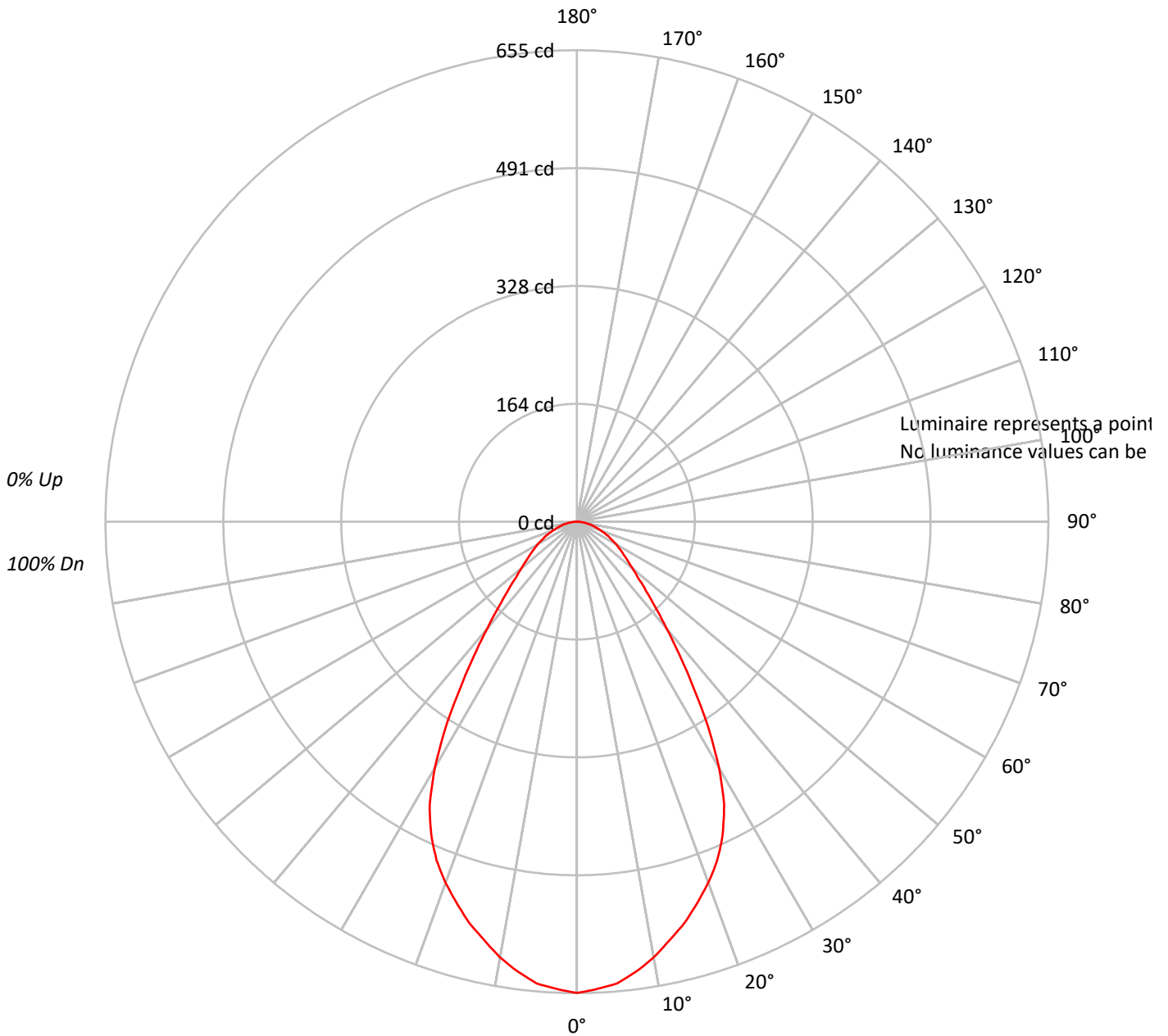
Input Watts (W): 14.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P203543

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBMMW1

Luminous Intensity Polar Plot





TEST NUMBER: P203543

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBMMW1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89			89
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			79
3	97	88	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71			71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			64
5	85	74	67	61	83	73	66	61	71	65	61	69	64	60	68	63	59	58			58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48			48
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41			41
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: P203543

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBMW1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.5	6.9
10°-20°	162.0	18.5
20°-30°	217.5	24.8
30°-40°	178.4	20.3
40°-50°	107.2	12.2
50°-60°	71.2	8.1
60°-70°	47.7	5.4
70°-80°	25.7	2.9
80°-90°	7.2	0.8
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°	440.0	50.1
0°-40°	618.5	70.5
0°-60°	796.8	90.8
0°-90°	877.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	655	
5°	644	60
15°	577	162
25°	479	218
35°	283	178
45°	136	107
55°	79	71
65°	48	48
75°	24	26
85°	6	7
90°	0	



TEST NUMBER: P203543

CATALOG NUMBER: LD6B15D010 EU6B10209730 6LBMMW1

CANDELA DISTRIBUTION (FULL):

	0°
0°	654.7
2.5°	649.9
5°	643.9
7.5°	630.5
10°	614.8
12.5°	595.4
15°	577.3
17.5°	555.5
20°	533.7
22.5°	509.5
25°	479.3
27.5°	443.0
30°	394.5
32.5°	340.1
35°	283.2
37.5°	234.8
40°	193.6
42.5°	161.0
45°	135.5
47.5°	115.0
50°	100.5
52.5°	88.3
55°	78.7
57.5°	70.2
60°	62.9
62.5°	54.5
65°	48.4
67.5°	41.1
70°	35.1
72.5°	29.0
75°	24.2
77.5°	19.4
80°	14.5
82.5°	10.9
85°	6.1
87.5°	2.4
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°







(END OF REPORT)