

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: P35142

Luminaire Tested: **LD6B15D010 EU6B10208035 6LBCSMW1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P35142  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15D010 EU6B10208035 6LBSCMW1  
Description: PORTFOLIO 6 INCH SHALLOW RECESSED DOWNLIGHT  
SHALLOW DISTRIBUTION WITH CAST 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: 1650.2 lumens  
Efficiency: N/A  
Efficacy: 117.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

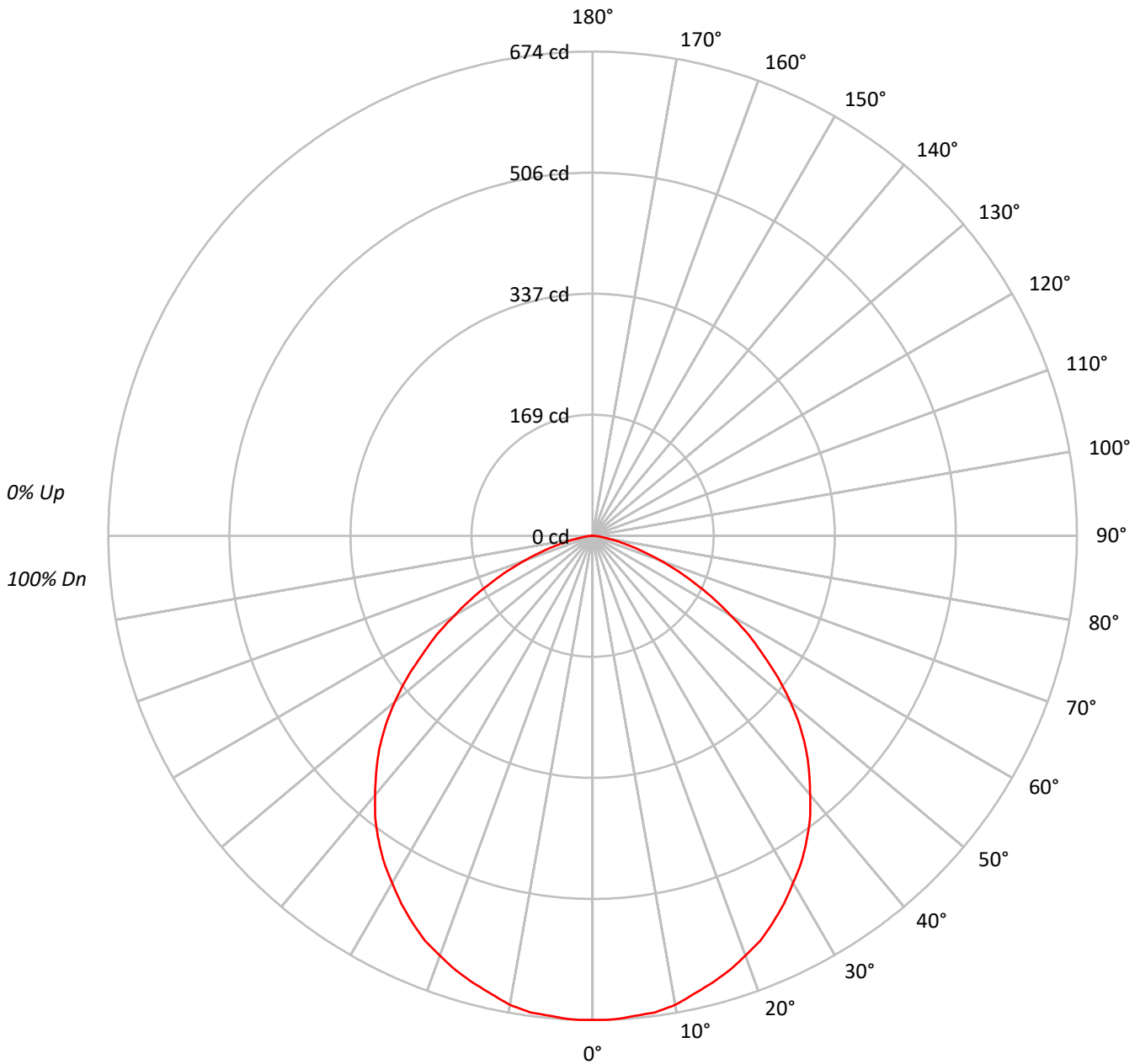
Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P35142

CATALOG NUMBER: LD6B15D010 EU6B10208035 6LBCSMW1

### Luminous Intensity Polar Plot





TEST NUMBER: P35142

CATALOG NUMBER: LD6B15D010 EU6B10208035 6LBCSMW1

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74				74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63				63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55				55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48				48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42				42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37				37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33				33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30				30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27				27

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	43972
5°	43944
10°	43922
15°	43497
20°	43184
25°	42759
30°	42036
35°	41335
40°	40113
45°	38751
50°	36437
55°	32986
60°	28967
65°	24391
70°	19075
75°	13360
80°	7514
85°	5240



TEST NUMBER: P35142

CATALOG NUMBER: LD6B15D010 EU6B10208035 6LBCSMW1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.9	3.9
10°-20°	181.8	11.0
20°-30°	273.5	16.6
30°-40°	324.1	19.6
40°-50°	322.5	19.5
50°-60°	260.0	15.8
60°-70°	157.3	9.5
70°-80°	58.4	3.5
80°-90°	8.7	0.5
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°	519.1	31.5
0°-40°	843.3	51.1
0°-60°	1425.8	86.4
0°-90°	1650.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1650.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	674	
5°	671	64
15°	644	182
25°	594	273
35°	519	324
45°	420	323
55°	290	260
65°	158	157
75°	53	58
85°	7	9
90°	0	



TEST NUMBER: P35142

CATALOG NUMBER: LD6B15D010 EU6B10208035 6LBCSMW1

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	674
2.5°	674
5°	671
7.5°	669
10°	663
12.5°	653
15°	644
17.5°	634
20°	622
22.5°	610
25°	594
27.5°	577
30°	558
32.5°	540
35°	519
37.5°	497
40°	471
42.5°	446
45°	420
47.5°	391
50°	359
52.5°	326
55°	290
57.5°	258
60°	222
62.5°	190
65°	158
67.5°	128
70°	100
72.5°	75
75°	53
77.5°	34
80°	20
82.5°	12
85°	7
87.5°	3
90°	0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)