

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: P274388

Luminaire Tested: **LD6B10DE010W2N2050 EU6B1020W2N902050 6LBM0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274388  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35125)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBM0H  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH HAZE FINISH  
Light Source: W2N 2000K-5000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 673.5 lumens  
Efficiency: N/A  
Efficacy: 48.1 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

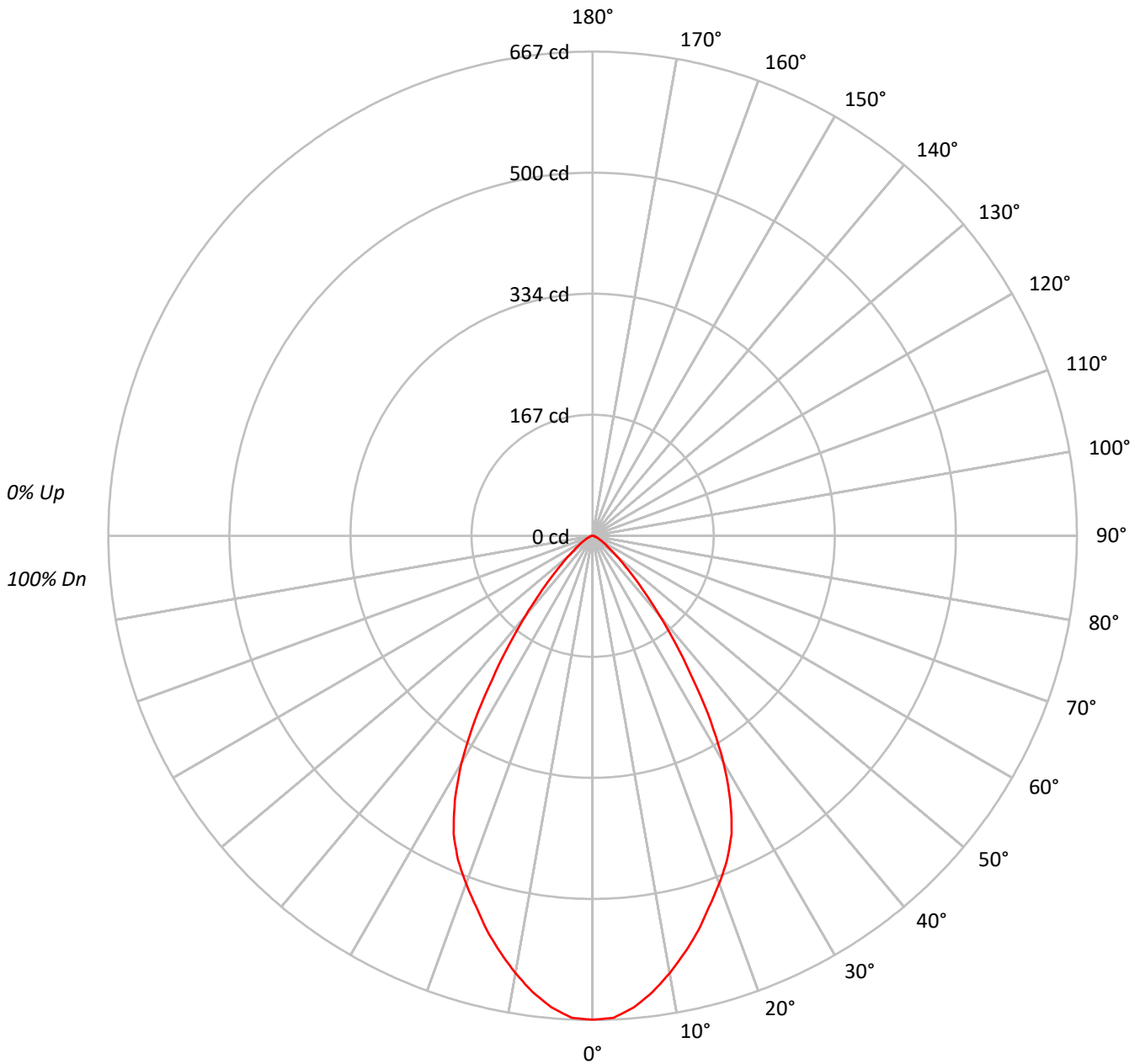
Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P274388

CATALOG NUMBER: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBM0H

### Luminous Intensity Polar Plot





TEST NUMBER: P274388

CATALOG NUMBER: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBM0H

**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	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

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

	0°
0°	43489
5°	42706
10°	40523
15°	38006
20°	35394
25°	32609
30°	27173
35°	19154
40°	12204
45°	7280
50°	4293
55°	2730
60°	1879
65°	1343
70°	916
75°	731
80°	376
85°	0



TEST NUMBER: P274388

CATALOG NUMBER: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBM0H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.9	9.0
10°-20°	157.7	23.4
20°-30°	204.3	30.3
30°-40°	151.7	22.5
40°-50°	64.0	9.5
50°-60°	22.7	3.4
60°-70°	8.8	1.3
70°-80°	3.0	0.4
80°-90°	0.4	0.1
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°	422.9	62.8
0°-40°	574.6	85.3
0°-60°	661.3	98.2
0°-90°	673.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	667	
5°	652	61
15°	563	158
25°	453	204
35°	240	152
45°	79	64
55°	24	23
65°	9	9
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P274388

CATALOG NUMBER: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBM0H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	666.6
2.5°	664.6
5°	652.1
7.5°	633.9
10°	611.7
12.5°	587.7
15°	562.7
17.5°	534.8
20°	509.8
22.5°	483.8
25°	453.0
27.5°	410.7
30°	360.7
32.5°	302.0
35°	240.5
37.5°	188.5
40°	143.3
42.5°	106.8
45°	78.9
47.5°	57.7
50°	42.3
52.5°	31.7
55°	24.0
57.5°	18.3
60°	14.4
62.5°	10.6
65°	8.7
67.5°	6.7
70°	4.8
72.5°	3.8
75°	2.9
77.5°	1.9
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)