

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: P274389

Luminaire Tested: **LD6B15DE010W2N2050 EU6B1020W2N902050 6LBM0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274389  
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: LD6B15DE010W2N2050 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: 972.0 lumens  
Efficiency: N/A  
Efficacy: 44.2 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

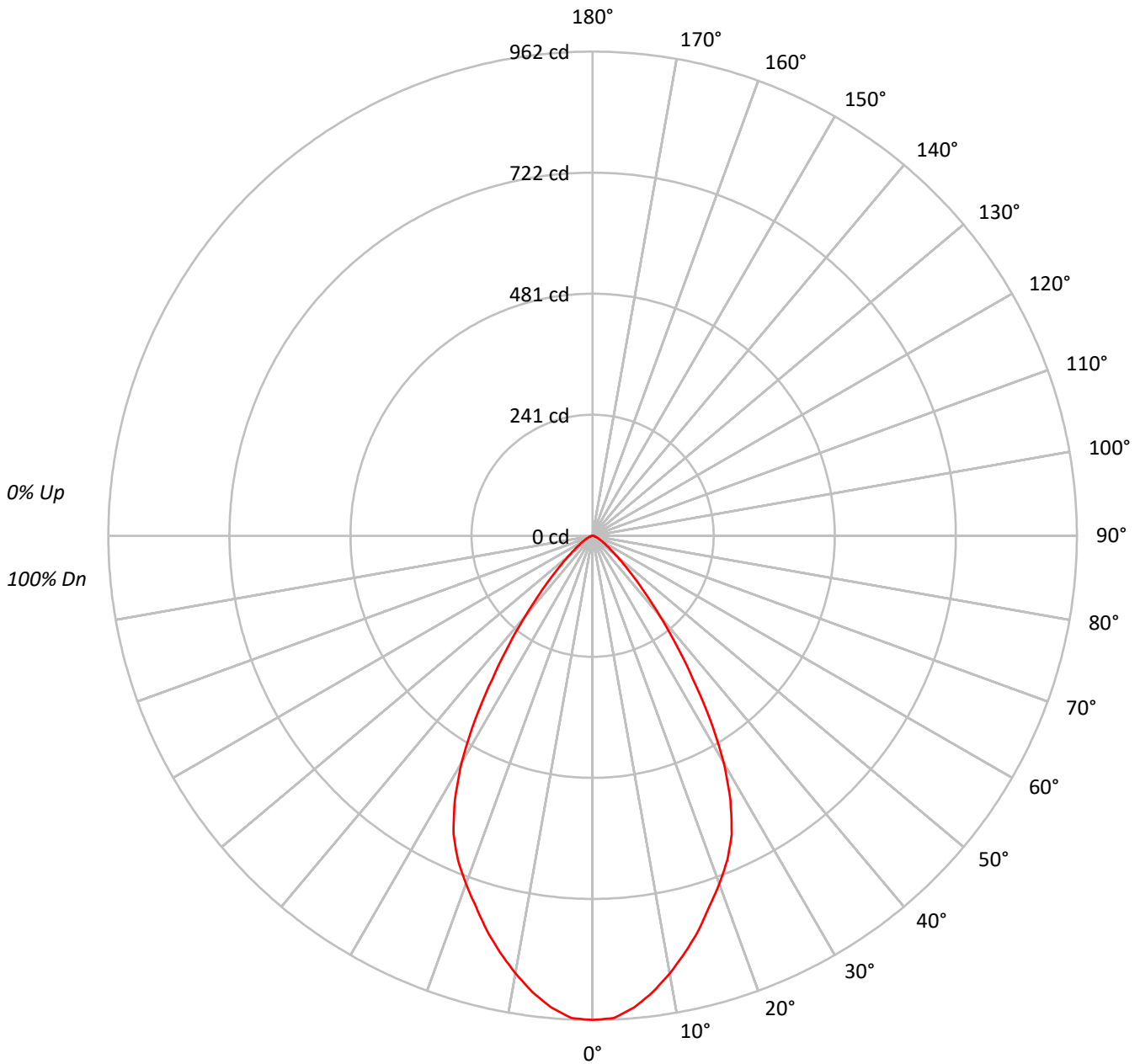
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

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

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

	0°
0°	62755
5°	61632
10°	58483
15°	54844
20°	51078
25°	47064
30°	39211
35°	27637
40°	17612
45°	10500
50°	6201
55°	3947
60°	2714
65°	1930
70°	1316
75°	1059
80°	526
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	9.0
10°-20°	227.5	23.4
20°-30°	294.8	30.3
30°-40°	218.9	22.5
40°-50°	92.4	9.5
50°-60°	32.8	3.4
60°-70°	12.7	1.3
70°-80°	4.4	0.5
80°-90°	0.6	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°	610.3	62.8
0°-40°	829.2	85.3
0°-60°	954.4	98.2
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	962	
5°	941	88
15°	812	228
25°	654	295
35°	347	219
45°	114	92
55°	35	33
65°	12	13
75°	4	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	961.9
2.5°	959.1
5°	941.1
7.5°	914.7
10°	882.8
12.5°	848.1
15°	812.0
17.5°	771.7
20°	735.7
22.5°	698.2
25°	653.8
27.5°	592.7
30°	520.5
32.5°	435.8
35°	347.0
37.5°	272.1
40°	206.8
42.5°	154.1
45°	113.8
47.5°	83.3
50°	61.1
52.5°	45.8
55°	34.7
57.5°	26.4
60°	20.8
62.5°	15.3
65°	12.5
67.5°	9.7
70°	6.9
72.5°	5.6
75°	4.2
77.5°	2.8
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)