

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: P274407

Luminaire Tested: **LD6B15DE010W2N2050 EU6B1020W2N902050 6LBW0MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274407  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35124)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15DE010W2N2050 EU6B1020W2N902050 6LBW0MW  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH MATTE WHITE FINISH  
Light Source: W2N 2000K-5000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1134.0 lumens  
Efficiency: N/A  
Efficacy: 51.5 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.15  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

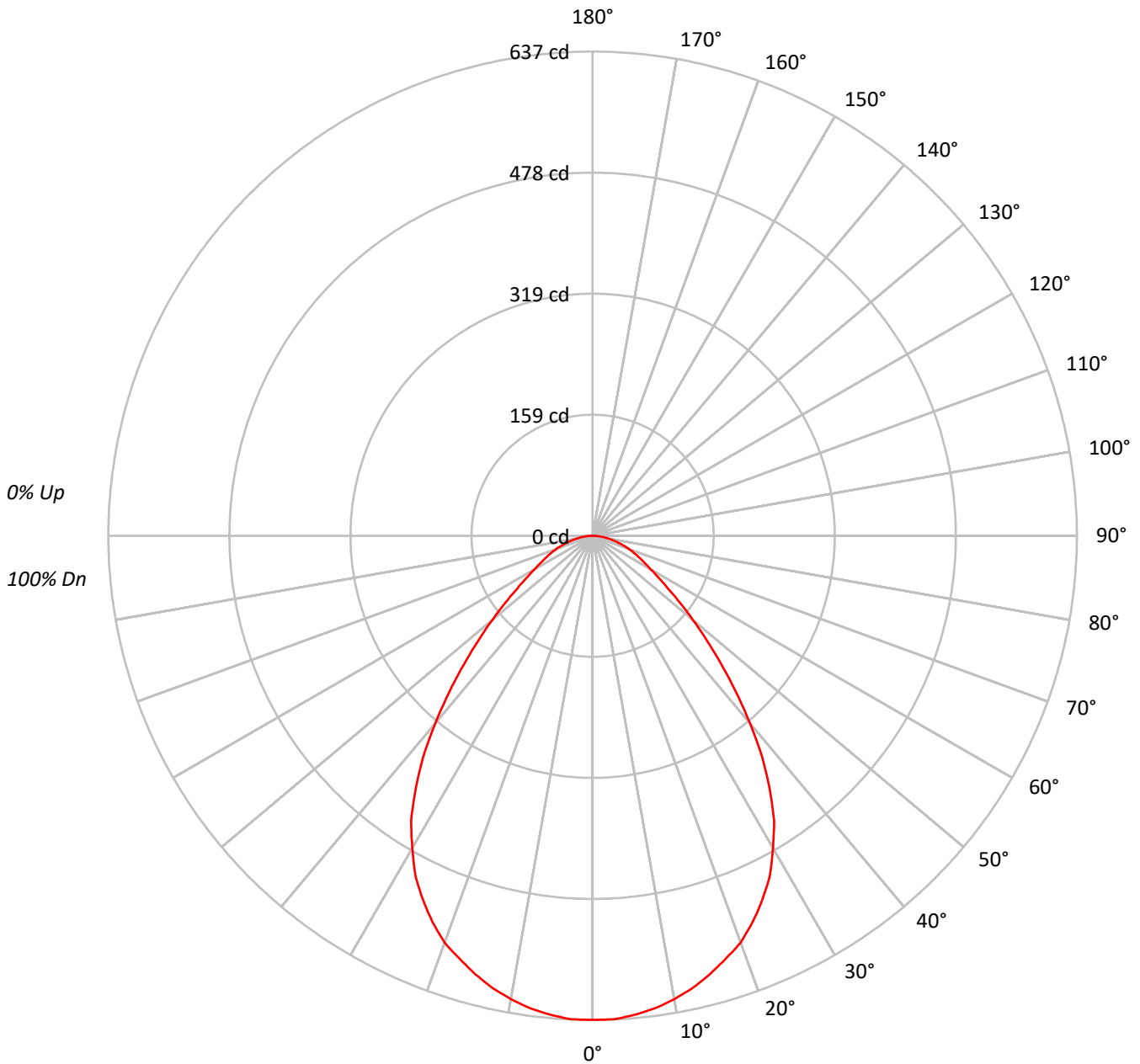
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	54			54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			44
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40			40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34			34

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

	0°
0°	41545
5°	41435
10°	41000
15°	40316
20°	39532
25°	38023
30°	35746
35°	32312
40°	27406
45°	22079
50°	17447
55°	13763
60°	11482
65°	10405
70°	9709
75°	8671
80°	7740
85°	6213



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.0	5.3
10°-20°	168.2	14.8
20°-30°	242.3	21.4
30°-40°	251.6	22.2
40°-50°	186.0	16.4
50°-60°	111.1	9.8
60°-70°	67.5	6.0
70°-80°	37.0	3.3
80°-90°	10.3	0.9
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°	470.5	41.5
0°-40°	722.1	63.7
0°-60°	1019.2	89.9
0°-90°	1134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1134.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	637	
5°	633	60
15°	597	168
25°	528	242
35°	406	252
45°	239	186
55°	121	111
65°	67	68
75°	34	37
85°	8	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	636.8
2.5°	636.8
5°	632.7
7.5°	627.2
10°	618.9
12.5°	609.3
15°	596.9
17.5°	583.2
20°	569.4
22.5°	550.2
25°	528.2
27.5°	504.8
30°	474.5
32.5°	444.3
35°	405.7
37.5°	365.9
40°	321.8
42.5°	279.2
45°	239.3
47.5°	203.6
50°	171.9
52.5°	144.4
55°	121.0
57.5°	103.2
60°	88.0
62.5°	77.0
65°	67.4
67.5°	59.1
70°	50.9
72.5°	42.6
75°	34.4
77.5°	27.5
80°	20.6
82.5°	15.1
85°	8.3
87.5°	4.1
90°	0.0



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— 0°-180°







(END OF REPORT)