

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: P274384

Luminaire Tested: **LD6B20DE010W2N2050 EU6B1020W2N902050 6LBM0LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274384  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35220)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B20DE010W2N2050 EU6B1020W2N902050 6LBM0LI  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, MEDIUM DISTRIBUTION WITH SPECULAR FINISH  
Light Source: W2N 2000K-5000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1465.6 lumens  
Efficiency: N/A  
Efficacy: 52.3 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

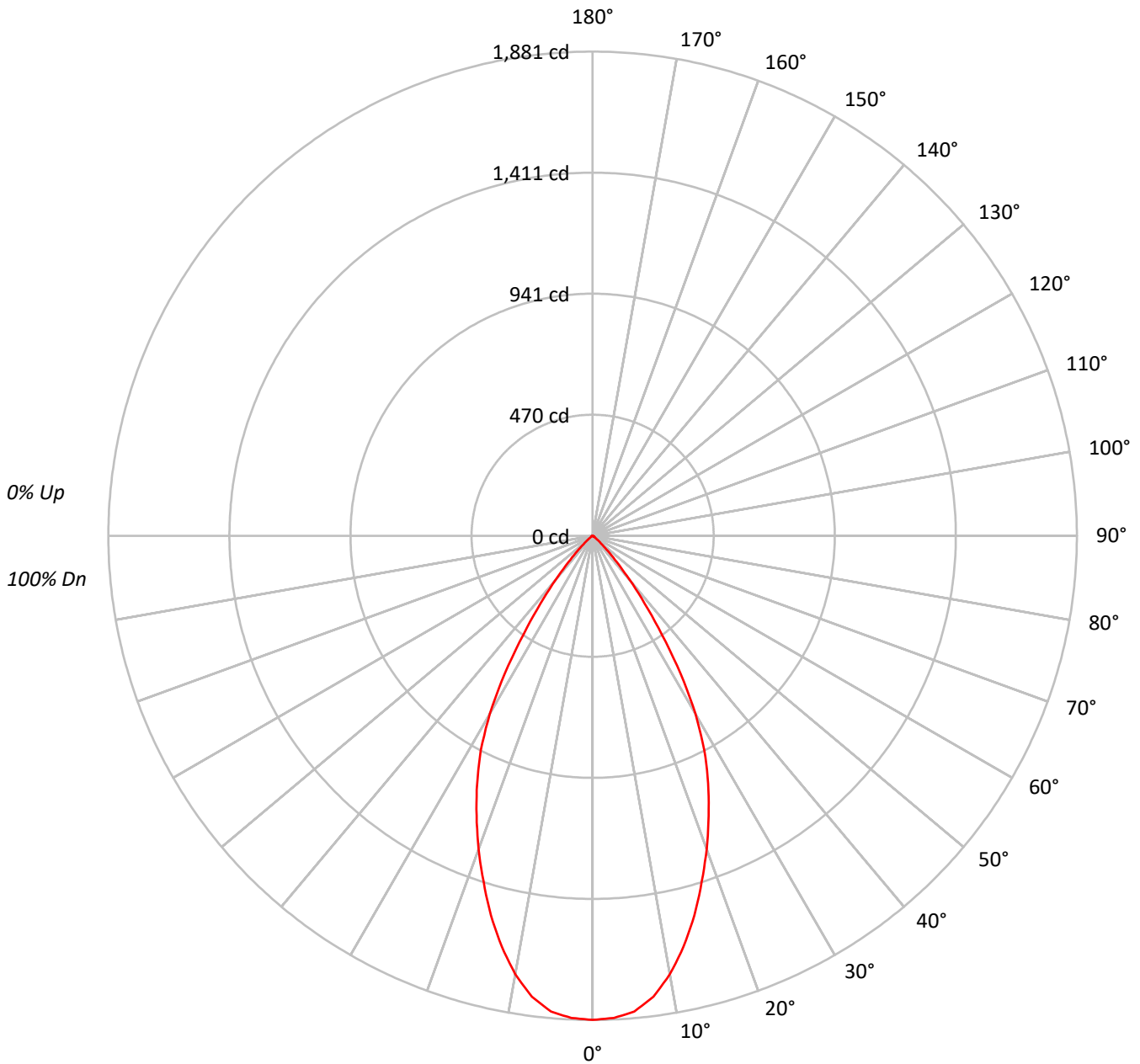
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82		
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	84	80	78	76		
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	71		
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67		
7	84	75	70	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63		
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	68	63	60	59		
9	77	67	62	58	76	67	61	58	66	61	57	65	60	57	64	60	57	56		
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53		

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

	0°
0°	122698
5°	121503
10°	114581
15°	103089
20°	89895
25°	76434
30°	60093
35°	37226
40°	18881
45°	7556
50°	2578
55°	967
60°	731
65°	432
70°	267
75°	353
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.0	11.8
10°-20°	424.6	29.0
20°-30°	482.4	32.9
30°-40°	298.1	20.3
40°-50°	73.6	5.0
50°-60°	9.7	0.7
60°-70°	3.3	0.2
70°-80°	0.9	0.1
80°-90°	0.0	0.0
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°	1080.0	73.7
0°-40°	1378.2	94.0
0°-60°	1461.4	99.7
0°-90°	1465.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1465.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1881	
5°	1855	173
15°	1526	425
25°	1062	482
35°	467	298
45°	82	74
55°	8	10
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1880.7
2.5°	1875.1
5°	1855.3
7.5°	1805.9
10°	1729.6
12.5°	1633.6
15°	1526.3
17.5°	1409.1
20°	1294.8
22.5°	1177.6
25°	1061.8
27.5°	940.4
30°	797.7
32.5°	635.4
35°	467.4
37.5°	331.8
40°	221.7
42.5°	138.4
45°	81.9
47.5°	46.6
50°	25.4
52.5°	12.7
55°	8.5
57.5°	7.1
60°	5.6
62.5°	4.2
65°	2.8
67.5°	2.8
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)