

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: P274400

Luminaire Tested: **LD6B10DE010W2N2050 EU6B1020W2N902050 6LBW0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274400  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35120)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBW0H  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH HAZE FINISH  
Light Source: W2N 2000K-5000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 823.2 lumens  
Efficiency: N/A  
Efficacy: 58.8 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
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







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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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41		
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38		

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

	0°
0°	33129
5°	33112
10°	32859
15°	32636
20°	32145
25°	31407
30°	29576
35°	26760
40°	22347
45°	17124
50°	12129
55°	7644
60°	4319
65°	2794
70°	1831
75°	1336
80°	789
85°	823



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.0	5.8
10°-20°	136.1	16.5
20°-30°	199.5	24.2
30°-40°	207.7	25.2
40°-50°	143.7	17.5
50°-60°	62.6	7.6
60°-70°	19.2	2.3
70°-80°	5.7	0.7
80°-90°	0.9	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°	383.6	46.6
0°-40°	591.2	71.8
0°-60°	797.4	96.9
0°-90°	823.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	823.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	508	
5°	506	48
15°	483	136
25°	436	200
35°	336	208
45°	186	144
55°	67	63
65°	18	19
75°	5	6
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	507.8
2.5°	508.8
5°	505.6
7.5°	501.4
10°	496.0
12.5°	490.7
15°	483.2
17.5°	473.6
20°	463.0
22.5°	451.2
25°	436.3
27.5°	417.1
30°	392.6
32.5°	367.0
35°	336.0
37.5°	301.9
40°	262.4
42.5°	222.9
45°	185.6
47.5°	150.4
50°	119.5
52.5°	90.7
55°	67.2
57.5°	48.0
60°	33.1
62.5°	24.5
65°	18.1
67.5°	13.9
70°	9.6
72.5°	7.5
75°	5.3
77.5°	3.2
80°	2.1
82.5°	1.1
85°	1.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)