

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: P274394

Luminaire Tested: **LD6B10DE010W2N2050 EU6B1020W2N902050 6LBW0LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274394  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35285)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B10DE010W2N2050 EU6B1020W2N902050 6LBW0LI  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH SPECULAR FINISH  
Light Source: W2N 2000K-5000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 935.5 lumens  
Efficiency: N/A  
Efficacy: 66.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

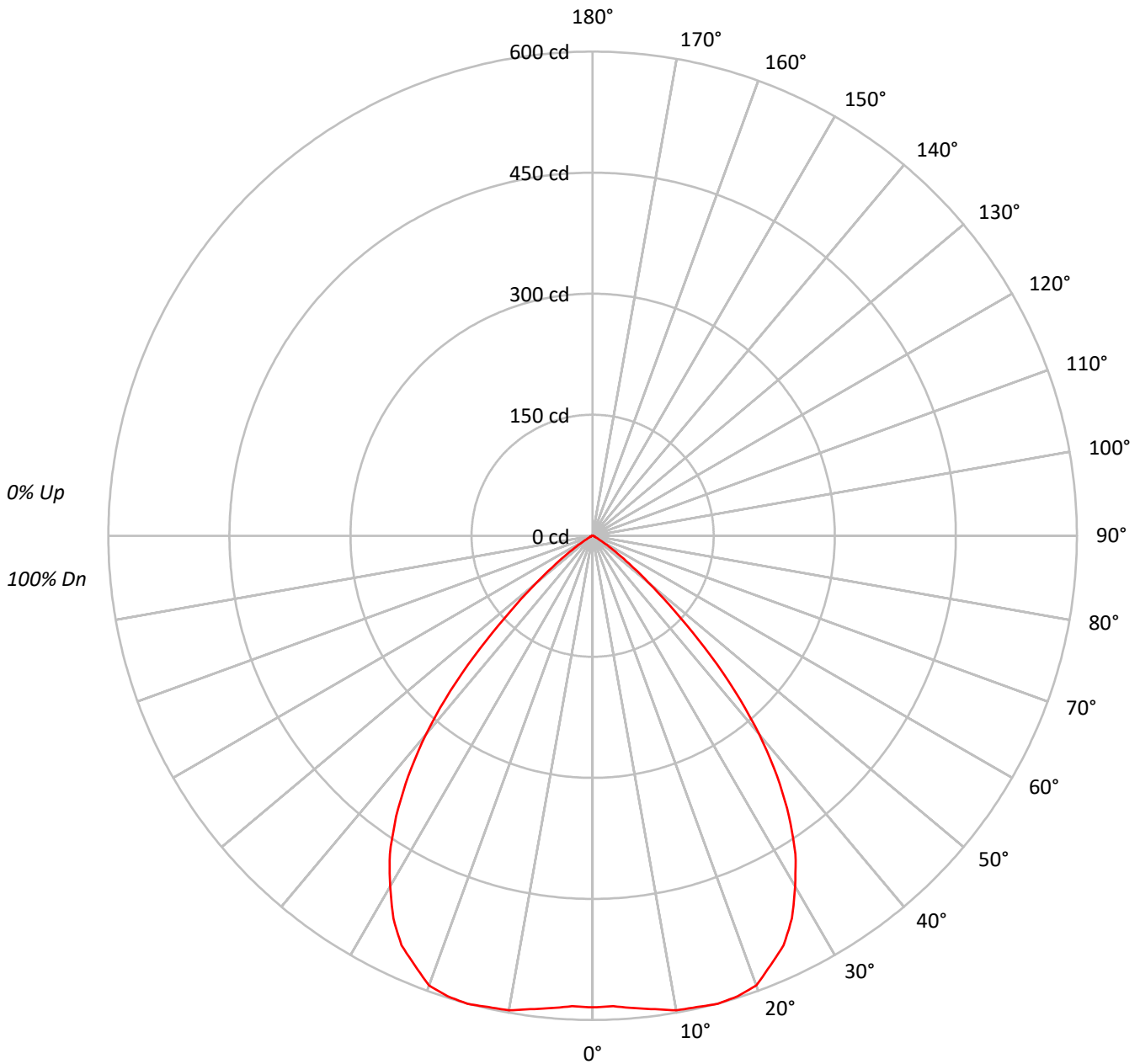
Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
RC	80									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	113	110	107	104	110	107	105	103	103	101	99	100	98	97	96	95	94	92				92															
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83				83															
3	100	92	87	82	97	91	86	81	88	84	80	86	82	79	83	80	77	76				76															
4	93	85	78	73	92	84	78	73	81	76	72	79	75	71	77	74	70	69				69															
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63				63															
6	82	72	65	60	81	71	65	60	70	64	59	68	63	59	67	62	59	57				57															
7	77	67	60	55	76	66	59	55	65	59	54	63	58	54	62	57	54	52				52															
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48				48															
9	69	57	51	46	67	57	50	46	56	50	46	55	50	46	54	49	46	44				44															
10	65	54	47	43	64	53	47	42	52	46	42	51	46	42	51	46	42	41				41															

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

	0°
0°	38127
5°	38482
10°	39556
15°	40546
20°	41164
25°	40312
30°	37795
35°	33793
40°	27372
45°	18102
50°	9155
55°	3856
60°	1240
65°	494
70°	401
75°	277
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.4	6.0
10°-20°	169.5	18.1
20°-30°	255.4	27.3
30°-40°	261.5	27.9
40°-50°	152.3	16.3
50°-60°	35.0	3.7
60°-70°	4.3	0.5
70°-80°	1.1	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°	481.3	51.4
0°-40°	742.8	79.4
0°-60°	930.1	99.4
0°-90°	935.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	935.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	584	
5°	588	56
15°	600	169
25°	560	255
35°	424	261
45°	196	152
55°	34	35
65°	3	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	584.4
2.5°	583.4
5°	587.6
7.5°	591.8
10°	597.1
12.5°	598.2
15°	600.3
17.5°	598.2
20°	592.9
22.5°	575.9
25°	560.0
27.5°	534.6
30°	501.7
32.5°	467.7
35°	424.3
37.5°	375.5
40°	321.4
42.5°	260.9
45°	196.2
47.5°	136.8
50°	90.2
52.5°	57.3
55°	33.9
57.5°	18.0
60°	9.5
62.5°	5.3
65°	3.2
67.5°	3.2
70°	2.1
72.5°	1.1
75°	1.1
77.5°	1.1
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)