

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: P274419

Luminaire Tested: **LD6B15DE010W2N2050 EU6B1020W2N902050 6LBS0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274419  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35136)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15DE010W2N2050 EU6B1020W2N902050 6LBS0H  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, SHALLOW WITH HAZE FINISH  
Light Source: W2N 2000K-5000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1296.1 lumens  
Efficiency: N/A  
Efficacy: 58.9 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

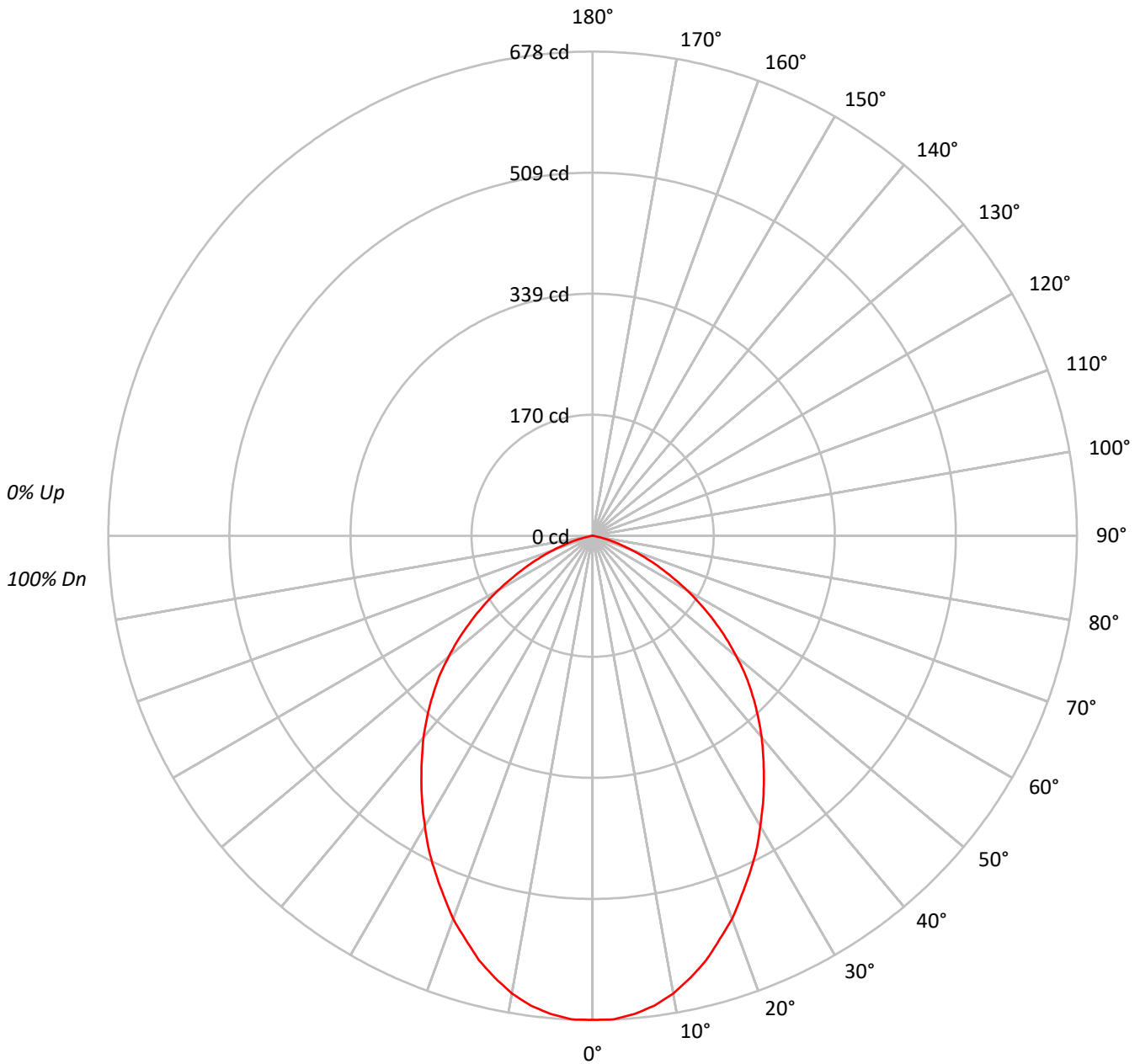
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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									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																			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77																			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67																			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51																			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46																			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34																			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31																			

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

	0°
0°	44220
5°	44016
10°	43107
15°	41538
20°	39629
25°	37490
30°	35369
35°	33299
40°	31358
45°	29229
50°	26653
55°	23534
60°	19924
65°	15638
70°	11159
75°	6125
80°	1090
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.5	4.9
10°-20°	172.6	13.3
20°-30°	239.6	18.5
30°-40°	261.5	20.2
40°-50°	244.0	18.8
50°-60°	185.2	14.3
60°-70°	101.4	7.8
70°-80°	27.9	2.2
80°-90°	0.4	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°	475.7	36.7
0°-40°	737.2	56.9
0°-60°	1166.3	90.0
0°-90°	1296.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1296.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	678	
5°	672	63
15°	615	173
25°	521	240
35°	418	262
45°	317	244
55°	207	185
65°	101	101
75°	24	28
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	677.8
2.5°	677.8
5°	672.1
7.5°	663.5
10°	650.7
12.5°	633.6
15°	615.0
17.5°	592.2
20°	570.8
22.5°	545.1
25°	520.8
27.5°	496.6
30°	469.5
32.5°	443.8
35°	418.1
37.5°	392.4
40°	368.2
42.5°	342.5
45°	316.8
47.5°	291.1
50°	262.6
52.5°	235.4
55°	206.9
57.5°	179.8
60°	152.7
62.5°	125.6
65°	101.3
67.5°	78.5
70°	58.5
72.5°	40.0
75°	24.3
77.5°	11.4
80°	2.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)