

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: P274413

Luminaire Tested: **LD6B15DE010W2N2050 EU6B1020W2N902050 6LBS0LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274413  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35288)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15DE010W2N2050 EU6B1020W2N902050 6LBS0LI  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, SHALLOW WITH SPECULAR FINISH  
Light Source: W2N 2000K-5000K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1336.5 lumens  
Efficiency: N/A  
Efficacy: 60.7 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

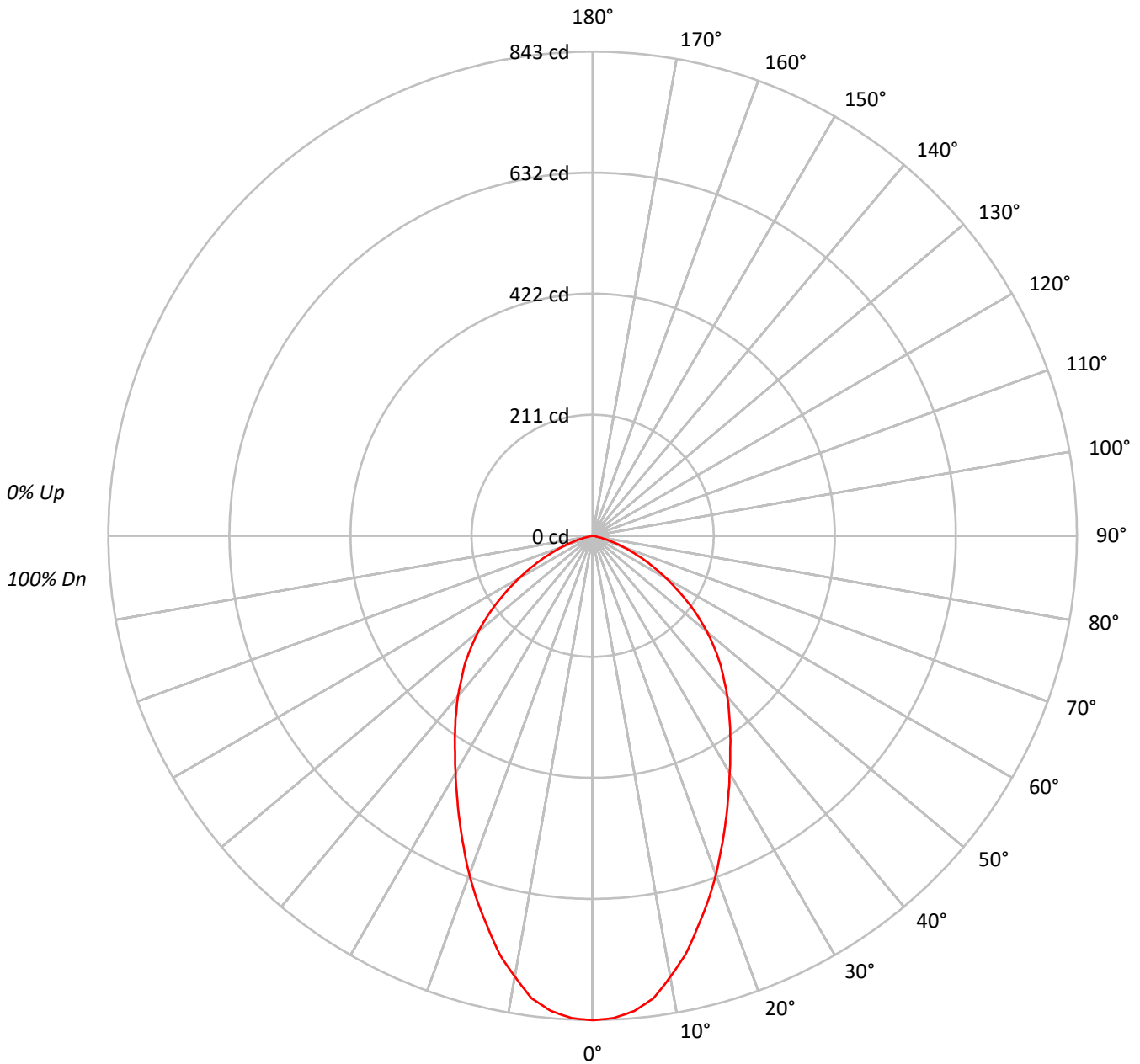
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	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	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60
5	82	71	63	57	80	70	62	57	67	61	56	66	60	55	64	59	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36
10	59	47	40	35	58	46	39	35	45	39	35	45	39	34	44	38	34	33

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

	0°
0°	55024
5°	54396
10°	51640
15°	47664
20°	43573
25°	39455
30°	35942
35°	33243
40°	31077
45°	28952
50°	26369
55°	23090
60°	19272
65°	15129
70°	10568
75°	5722
80°	1052
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.7	5.8
10°-20°	197.8	14.8
20°-30°	252.3	18.9
30°-40°	261.6	19.6
40°-50°	241.1	18.0
50°-60°	181.3	13.6
60°-70°	97.9	7.3
70°-80°	26.2	2.0
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°	527.9	39.5
0°-40°	789.5	59.1
0°-60°	1211.9	90.7
0°-90°	1336.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1336.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	843	
5°	831	78
15°	706	198
25°	548	252
35°	417	262
45°	314	241
55°	203	181
65°	98	98
75°	23	26
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	843.4
2.5°	840.6
5°	830.6
7.5°	812.2
10°	779.5
12.5°	746.8
15°	705.7
17.5°	667.3
20°	627.6
22.5°	586.4
25°	548.1
27.5°	511.1
30°	477.1
32.5°	445.8
35°	417.4
37.5°	390.5
40°	364.9
42.5°	337.9
45°	313.8
47.5°	286.8
50°	259.8
52.5°	231.4
55°	203.0
57.5°	174.6
60°	147.7
62.5°	122.1
65°	98.0
67.5°	75.3
70°	55.4
72.5°	38.3
75°	22.7
77.5°	9.9
80°	2.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)