

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: P274421

Luminaire Tested: **LD6B15DE010W2N2765 EU6B1020W2N902765 6LBCS0MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274421  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35142)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBCS0MW  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, CAST SHALLOW WITH MATTE WHITE FINISH  
Light Source: W2N 2700K-6500K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1542.7 lumens  
Efficiency: N/A  
Efficacy: 70.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

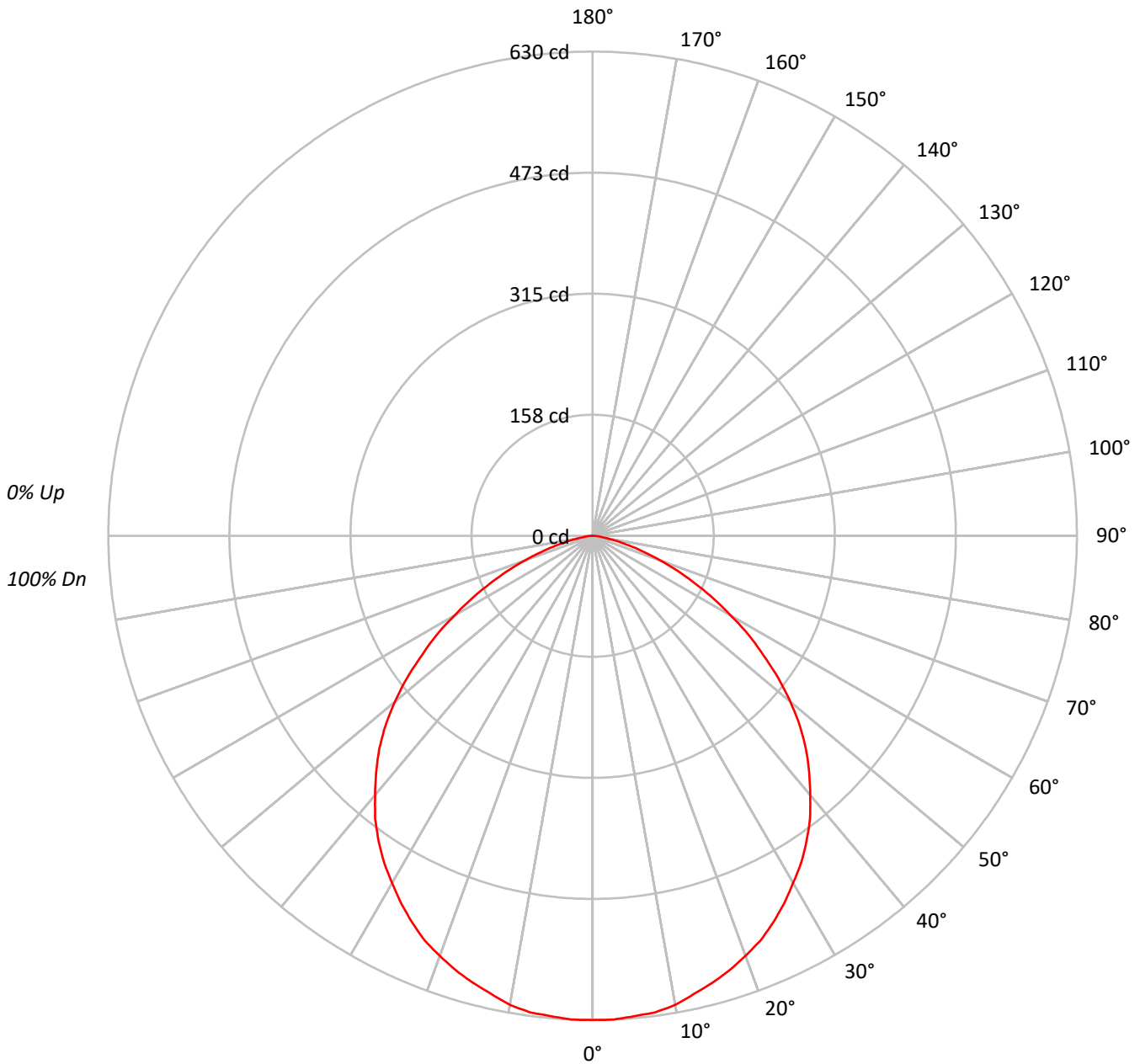
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	100	100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87	87	87	87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	74	74	74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63	63	63	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55	55	55	55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48	48	48	48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42	42	42	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37	37	37	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33	33	33	33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30	30	30	30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27	27	27	27

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

	0°
0°	41108
5°	41082
10°	41060
15°	40660
20°	40372
25°	39973
30°	39294
35°	38643
40°	37498
45°	36223
50°	34062
55°	30836
60°	27075
65°	22801
70°	17835
75°	12477
80°	7026
85°	4866



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.7	3.9
10°-20°	170.0	11.0
20°-30°	255.7	16.6
30°-40°	303.0	19.6
40°-50°	301.5	19.5
50°-60°	243.1	15.8
60°-70°	147.1	9.5
70°-80°	54.6	3.5
80°-90°	8.1	0.5
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°	485.3	31.5
0°-40°	788.3	51.1
0°-60°	1332.9	86.4
0°-90°	1542.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1542.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	630	
5°	627	60
15°	602	170
25°	555	256
35°	485	303
45°	393	302
55°	271	243
65°	148	147
75°	50	55
85°	6	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	630.1
2.5°	630.1
5°	627.3
7.5°	625.4
10°	619.8
12.5°	610.5
15°	602.0
17.5°	592.7
20°	581.5
22.5°	570.3
25°	555.3
27.5°	539.4
30°	521.6
32.5°	504.8
35°	485.2
37.5°	464.6
40°	440.3
42.5°	416.9
45°	392.6
47.5°	365.5
50°	335.6
52.5°	304.8
55°	271.1
57.5°	241.2
60°	207.5
62.5°	177.6
65°	147.7
67.5°	119.7
70°	93.5
72.5°	70.1
75°	49.5
77.5°	31.8
80°	18.7
82.5°	11.2
85°	6.5
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)