

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: P274373

Luminaire Tested: **LD6B10DE010W2N2765 EU6B1020W2N902765 6LBN0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274373  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1808-906-17)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B10DE010W2N2765 EU6B1020W2N902765 6LBN0H  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, NARROW DISTRIBUTION WITH HAZE FINISH  
Light Source: W2N 2700K-6500K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 642.0 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.77  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

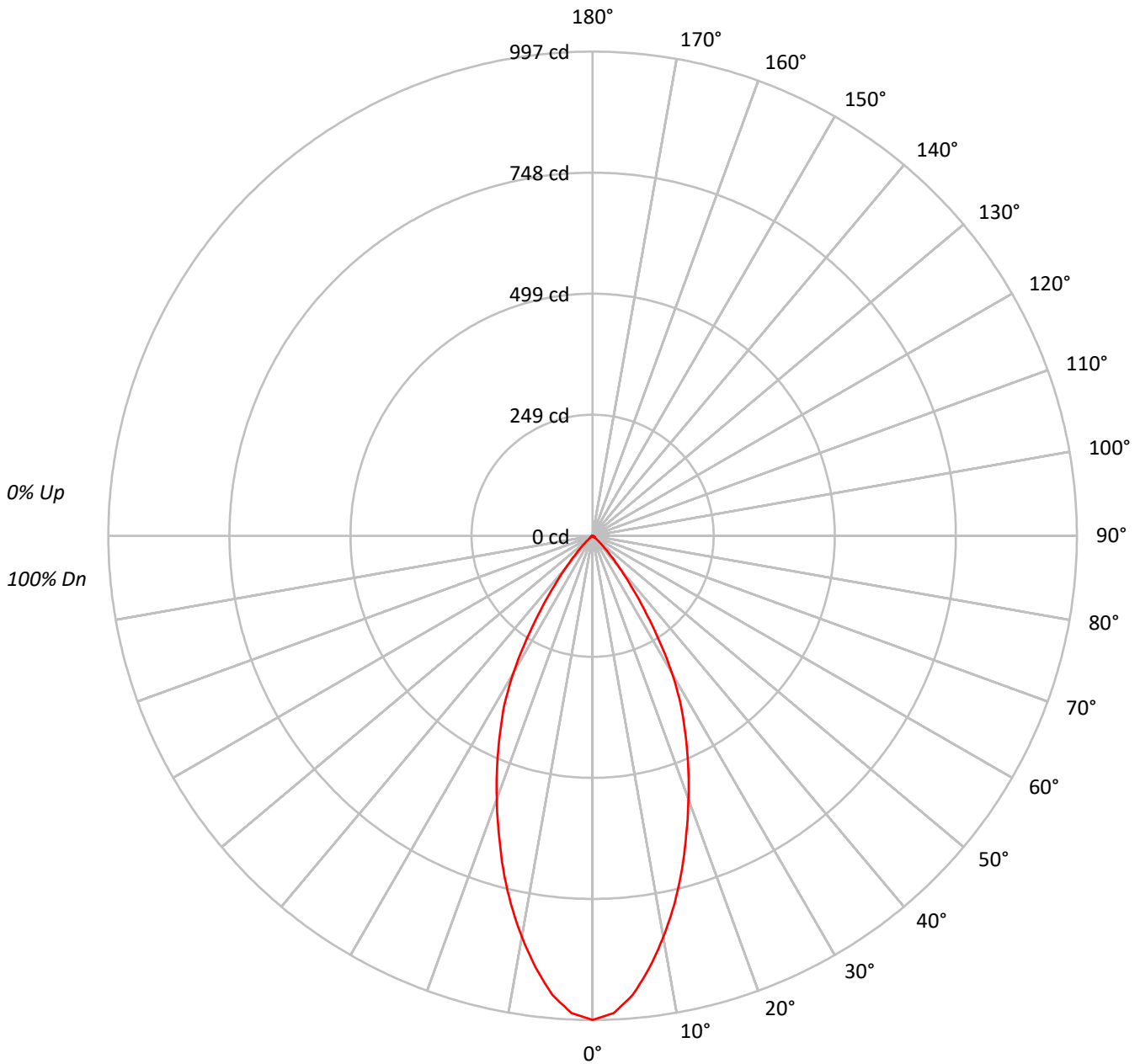
Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94		
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88		
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83		
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77		
5	94	86	81	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73		
6	90	81	75	71	88	80	75	71	79	74	71	78	73	70	76	73	70	68		
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	73	69	66	64		
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61		
9	78	69	63	59	77	68	63	59	67	63	59	67	62	59	66	62	59	58		
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	55		

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

	0°
0°	54656
5°	52223
10°	46704
15°	40352
20°	33661
25°	27340
30°	20699
35°	12314
40°	6083
45°	2403
50°	597
55°	382
60°	219
65°	130
70°	160
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.0	13.6
10°-20°	197.3	30.7
20°-30°	206.3	32.1
30°-40°	118.1	18.4
40°-50°	27.6	4.3
50°-60°	3.9	0.6
60°-70°	1.4	0.2
70°-80°	0.4	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°	490.6	76.4
0°-40°	608.7	94.8
0°-60°	640.2	99.7
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	997	
5°	949	87
15°	711	197
25°	452	206
35°	184	118
45°	31	28
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	997
2.5°	984
5°	949
7.5°	897
10°	839
12.5°	777
15°	711
17.5°	642
20°	577
22.5°	514
25°	452
27.5°	394
30°	327
32.5°	253
35°	184
37.5°	128
40°	85
42.5°	54
45°	31
47.5°	16
50°	7
52.5°	6
55°	4
57.5°	3
60°	2
62.5°	2
65°	1
67.5°	1
70°	1
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	0



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— 0°-180°







(END OF REPORT)