

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: P274416

Luminaire Tested: **LD6B15DE010W2N2765 EU6B1020W2N902765 6LBS0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274416  
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: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBS0H  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, SHALLOW WITH HAZE FINISH  
Light Source: W2N 2700K-6500K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1466.3 lumens  
Efficiency: N/A  
Efficacy: 66.6 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

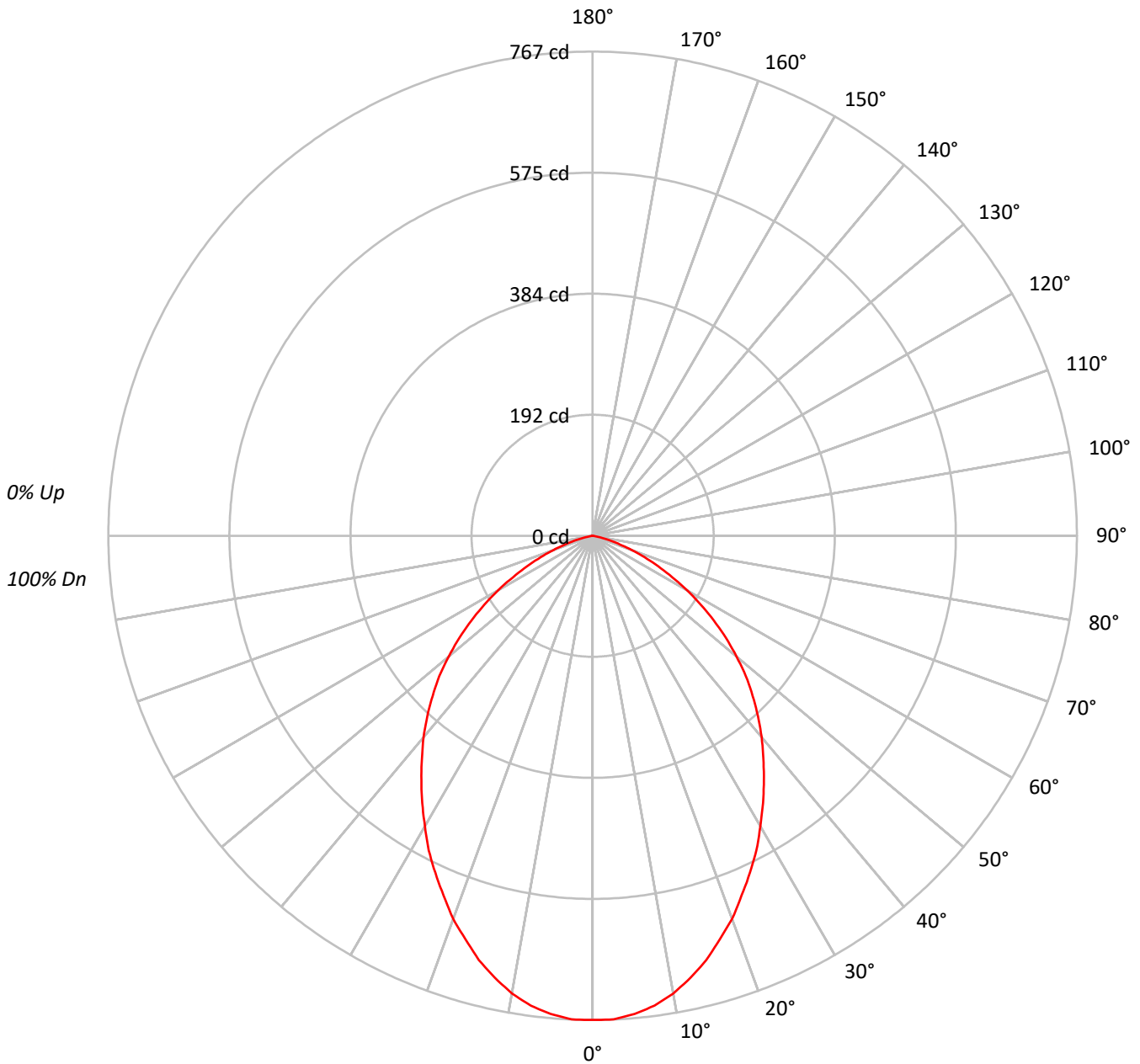
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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			
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°	50033
5°	49798
10°	48771
15°	46996
20°	44836
25°	42421
30°	40017
35°	37672
40°	35471
45°	33067
50°	30155
55°	26627
60°	22547
65°	17691
70°	12628
75°	6907
80°	1202
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.8	4.9
10°-20°	195.2	13.3
20°-30°	271.1	18.5
30°-40°	295.9	20.2
40°-50°	276.0	18.8
50°-60°	209.5	14.3
60°-70°	114.7	7.8
70°-80°	31.5	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°	538.2	36.7
0°-40°	834.1	56.9
0°-60°	1319.6	90.0
0°-90°	1466.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1466.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	767	
5°	760	72
15°	696	195
25°	589	271
35°	473	296
45°	358	276
55°	234	210
65°	115	115
75°	27	32
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	766.9
2.5°	766.9
5°	760.4
7.5°	750.7
10°	736.2
12.5°	716.8
15°	695.8
17.5°	670.0
20°	645.8
22.5°	616.7
25°	589.3
27.5°	561.8
30°	531.2
32.5°	502.1
35°	473.0
37.5°	444.0
40°	416.5
42.5°	387.5
45°	358.4
47.5°	329.4
50°	297.1
52.5°	266.4
55°	234.1
57.5°	203.4
60°	172.8
62.5°	142.1
65°	114.6
67.5°	88.8
70°	66.2
72.5°	45.2
75°	27.4
77.5°	12.9
80°	3.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)