

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: P274398

Luminaire Tested: **LD6B15DE010W2N2765 EU6B1020W2N902765 6LBW0H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274398  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35120)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBW0H  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, WIDE DISTRIBUTION WITH HAZE FINISH  
Light Source: W2N 2700K-6500K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1344.1 lumens  
Efficiency: N/A  
Efficacy: 61.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

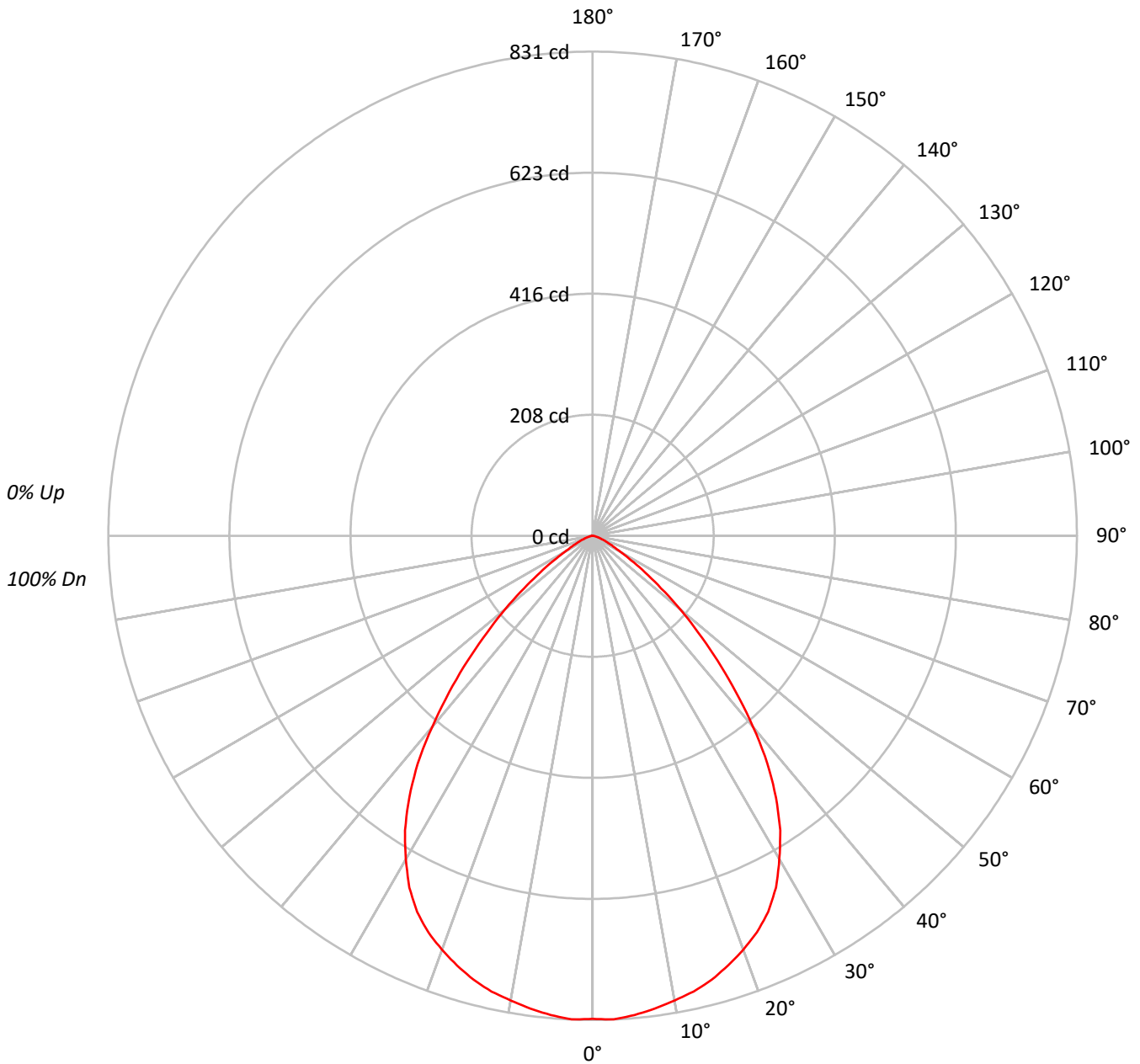
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38

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

	0°
0°	54084
5°	54068
10°	53654
15°	53291
20°	52480
25°	51282
30°	48281
35°	43693
40°	36493
45°	27965
50°	19802
55°	12478
60°	7046
65°	4569
70°	2995
75°	2193
80°	1315
85°	1273



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.3	5.8
10°-20°	222.2	16.5
20°-30°	325.8	24.2
30°-40°	339.0	25.2
40°-50°	234.6	17.5
50°-60°	102.1	7.6
60°-70°	31.3	2.3
70°-80°	9.4	0.7
80°-90°	1.4	0.1
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°	626.3	46.6
0°-40°	965.3	71.8
0°-60°	1302.0	96.9
0°-90°	1344.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1344.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	829	
5°	826	78
15°	789	222
25°	712	326
35°	549	339
45°	303	235
55°	110	102
65°	30	31
75°	9	9
85°	2	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	829.0
2.5°	830.8
5°	825.6
7.5°	818.6
10°	809.9
12.5°	801.2
15°	789.0
17.5°	773.3
20°	755.9
22.5°	736.7
25°	712.4
27.5°	681.0
30°	640.9
32.5°	599.1
35°	548.6
37.5°	492.9
40°	428.5
42.5°	364.0
45°	303.1
47.5°	245.6
50°	195.1
52.5°	148.0
55°	109.7
57.5°	78.4
60°	54.0
62.5°	40.1
65°	29.6
67.5°	22.6
70°	15.7
72.5°	12.2
75°	8.7
77.5°	5.2
80°	3.5
82.5°	1.7
85°	1.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)