

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: P274410

Luminaire Tested: **LD6B15DE010W2N2765 EU6B1020W2N902765 6LBS0LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P274410  
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: LD6B15DE010W2N2765 EU6B1020W2N902765 6LBS0LI  
Description: PORTFOLIO 6" W2N RN DOWNLIGHT, SHALLOW WITH SPECULAR FINISH  
Light Source: W2N 2700K-6500K CCT TUNING RANGE  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1512.1 lumens  
Efficiency: N/A  
Efficacy: 68.7 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

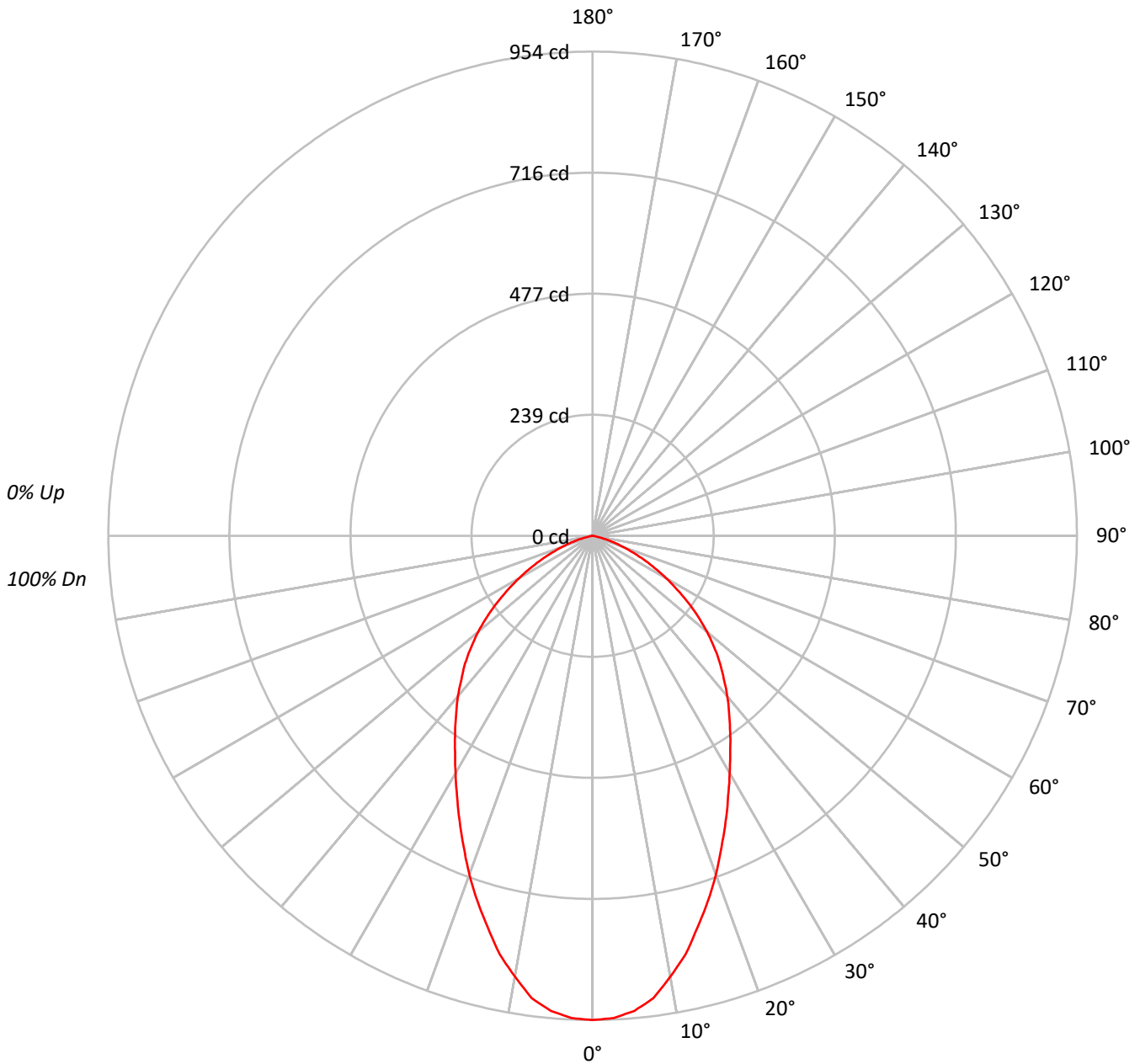
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	50	30	10
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°	62253
5°	61547
10°	58423
15°	53926
20°	49301
25°	44638
30°	40665
35°	37616
40°	35165
45°	32754
50°	29840
55°	26127
60°	21803
65°	17104
70°	11960
75°	6478
80°	1202
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.9	5.8
10°-20°	223.8	14.8
20°-30°	285.5	18.9
30°-40°	296.0	19.6
40°-50°	272.8	18.0
50°-60°	205.2	13.6
60°-70°	110.8	7.3
70°-80°	29.7	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°	597.2	39.5
0°-40°	893.3	59.1
0°-60°	1371.2	90.7
0°-90°	1512.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1512.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	954	
5°	940	88
15°	798	224
25°	620	285
35°	472	296
45°	355	273
55°	230	205
65°	111	111
75°	26	30
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	954.2
2.5°	951.0
5°	939.8
7.5°	918.9
10°	881.9
12.5°	845.0
15°	798.4
17.5°	755.0
20°	710.1
22.5°	663.5
25°	620.1
27.5°	578.3
30°	539.8
32.5°	504.4
35°	472.3
37.5°	441.8
40°	412.9
42.5°	382.3
45°	355.0
47.5°	324.5
50°	294.0
52.5°	261.9
55°	229.7
57.5°	197.6
60°	167.1
62.5°	138.2
65°	110.8
67.5°	85.1
70°	62.7
72.5°	43.4
75°	25.7
77.5°	11.2
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)