

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: P136124

Luminaire Tested: **LD6A10D010TE ERW6A10927 6LW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P136124  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23374)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6A10D010TE ERW6A10927 6LW1H  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 2700K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 989.6 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.09  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

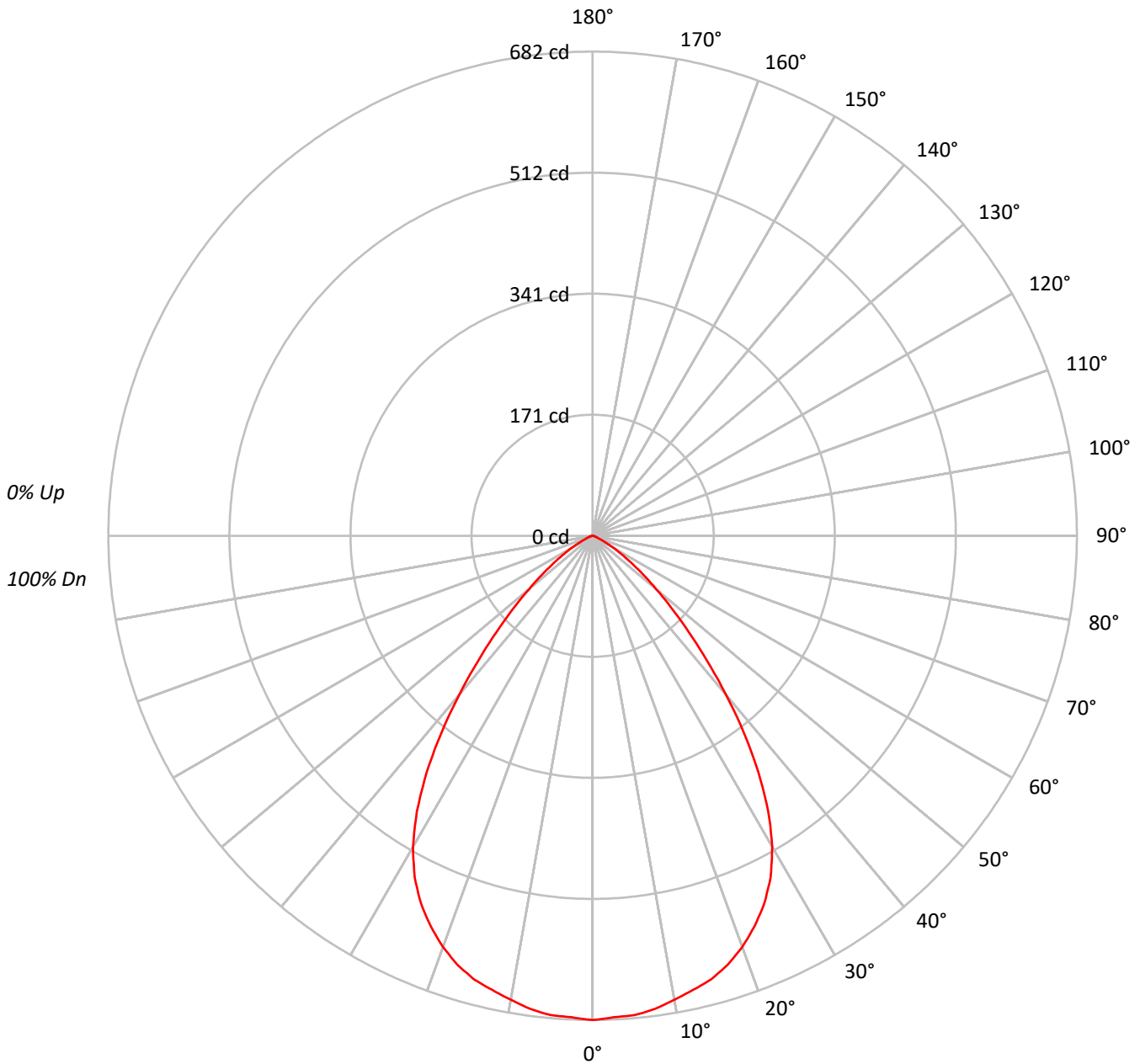
Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61			
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56			
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51			
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	49	45	43			
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			

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

	0°
0°	44501
5°	44389
10°	43968
15°	43666
20°	42781
25°	41161
30°	38111
35°	32455
40°	24851
45°	17549
50°	11855
55°	7496
60°	4371
65°	1991
70°	1240
75°	807
80°	413
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	6.5
10°-20°	181.8	18.4
20°-30°	261.3	26.4
30°-40°	251.3	25.4
40°-50°	149.7	15.1
50°-60°	61.7	6.2
60°-70°	15.5	1.6
70°-80°	3.6	0.4
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°	507.4	51.3
0°-40°	758.7	76.7
0°-60°	970.1	98.0
0°-90°	989.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	682	
5°	678	64
15°	646	182
25°	572	261
35°	408	251
45°	190	150
55°	66	62
65°	13	16
75°	3	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	682.1
2.5°	678.9
5°	677.8
7.5°	672.3
10°	663.7
12.5°	655.1
15°	646.5
17.5°	633.4
20°	616.2
22.5°	595.6
25°	571.8
27.5°	542.6
30°	505.9
32.5°	460.5
35°	407.5
37.5°	350.2
40°	291.8
42.5°	237.9
45°	190.2
47.5°	150.3
50°	116.8
52.5°	89.7
55°	65.9
57.5°	47.6
60°	33.5
62.5°	21.7
65°	12.9
67.5°	8.6
70°	6.5
72.5°	4.3
75°	3.2
77.5°	2.2
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)