

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: P133480

Luminaire Tested: **LD6A15D010TE ERN6A15927 6LN1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P133480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23397)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6A15D010TE ERN6A15927 6LN1LI  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 2700K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1311.5 lumens  
Efficiency: N/A  
Efficacy: 58.0 lumens/watt  
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.49  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

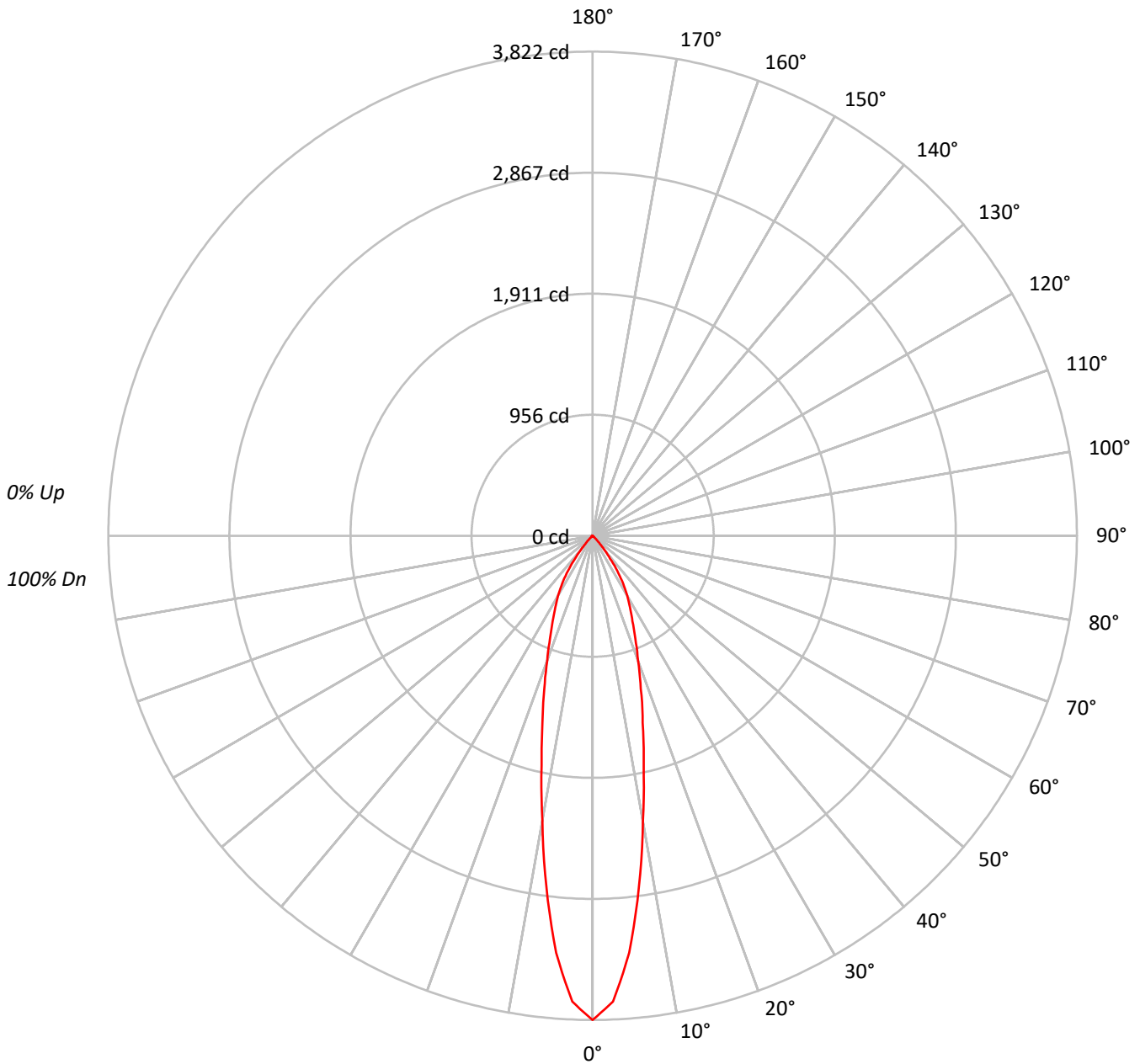
Input Watts (W): 22.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P133480

CATALOG NUMBER: LD6A15D010TE ERN6A15927 6LN1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P133480

CATALOG NUMBER: LD6A15D010TE ERN6A15927 6LN1LI

**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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	95	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	87	85	85	85	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76	76	76	76
6	92	85	79	76	91	84	79	75	82	78	75	81	77	74	80	77	74	73	73	73	73
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	70	69	69	69	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	68	74	70	67	66	66	66	66
9	82	74	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63	63	63	63
10	79	70	65	62	78	70	65	62	69	65	62	69	65	62	68	64	62	60	60	60	60

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

	0°
0°	249382
5°	216457
10°	151461
15°	103198
20°	72788
25°	53600
30°	41117
35°	26904
40°	11676
45°	3737
50°	1127
55°	318
60°	235
65°	139
70°	172
75°	0
80°	0
85°	0



TEST NUMBER: P133480

CATALOG NUMBER: LD6A15D010TE ERN6A15927 6LN1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.1	21.5
10°-20°	430.3	32.8
20°-30°	347.1	26.5
30°-40°	207.7	15.8
40°-50°	39.8	3.0
50°-60°	3.2	0.2
60°-70°	1.0	0.1
70°-80°	0.1	0.0
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°	1059.6	80.8
0°-40°	1267.3	96.6
0°-60°	1310.4	99.9
0°-90°	1311.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1311.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3822	
5°	3305	282
15°	1528	430
25°	745	347
35°	338	208
45°	40	40
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P133480

CATALOG NUMBER: LD6A15D010TE ERN6A15927 6LN1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3822.5
2.5°	3679.9
5°	3305.2
7.5°	2798.1
10°	2286.3
12.5°	1858.3
15°	1527.9
17.5°	1266.5
20°	1048.4
22.5°	879.0
25°	744.6
27.5°	637.0
30°	545.8
32.5°	449.2
35°	337.8
37.5°	227.3
40°	137.1
42.5°	76.4
45°	40.5
47.5°	21.2
50°	11.1
52.5°	3.7
55°	2.8
57.5°	1.8
60°	1.8
62.5°	0.9
65°	0.9
67.5°	0.9
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)