

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: P133453

Luminaire Tested: **LD6A15D010TE ERN6A15835 6LN1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P133453
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 ERN6A15835 6LN1LI
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT
NARROW DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1530.0 lumens
Efficiency: N/A
Efficacy: 67.7 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

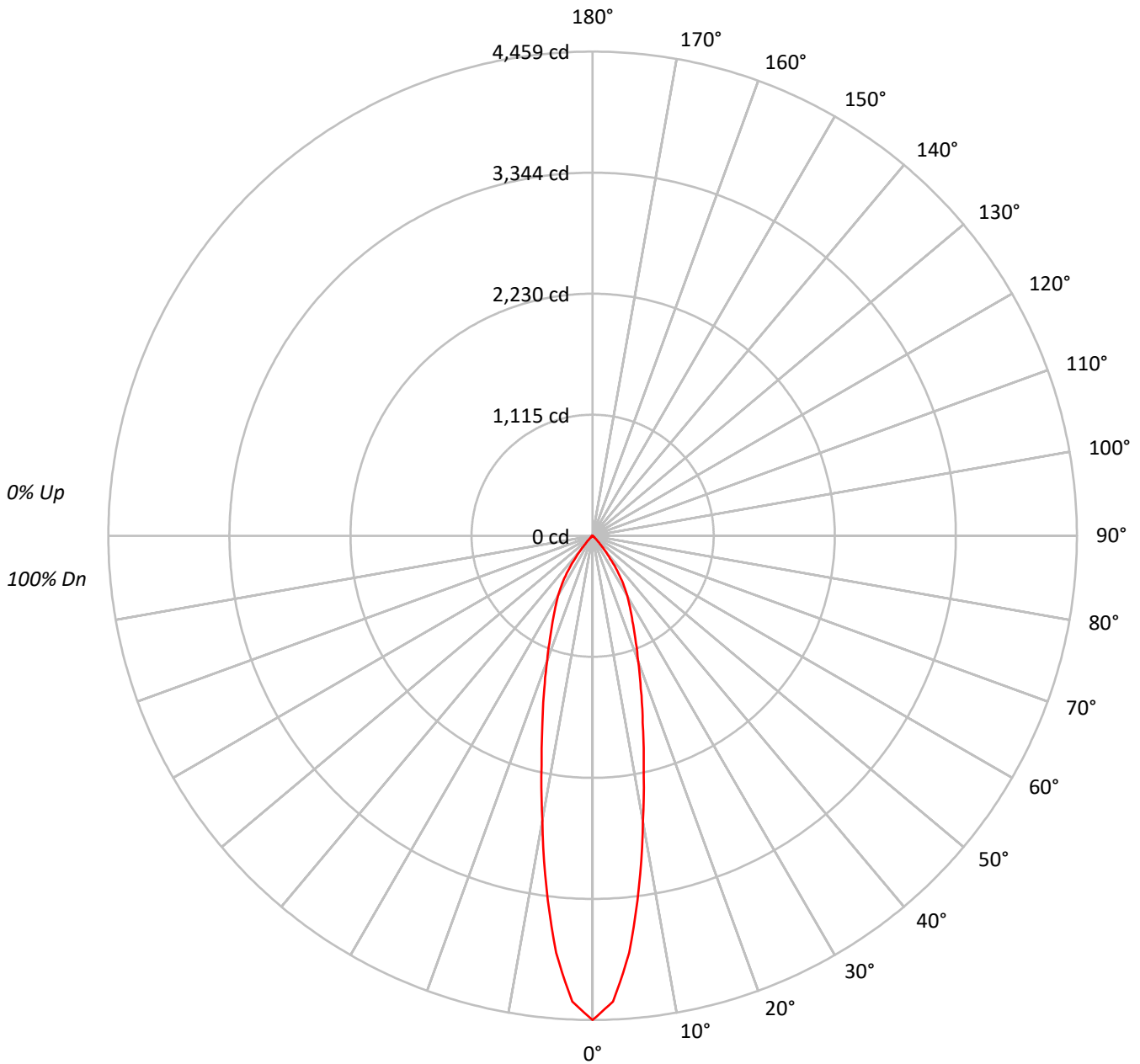
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P133453

CATALOG NUMBER: LD6A15D010TE ERN6A15835 6LN1LI

Luminous Intensity Polar Plot





TEST NUMBER: P133453

CATALOG NUMBER: LD6A15D010TE ERN6A15835 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°	290928
5°	252522
10°	176694
15°	120387
20°	84910
25°	62533
30°	47965
35°	31388
40°	13626
45°	4355
50°	1309
55°	364
60°	274
65°	170
70°	210
75°	0
80°	0
85°	0



TEST NUMBER: P133453

CATALOG NUMBER: LD6A15D010TE ERN6A15835 6LN1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.1	21.5
10°-20°	502.0	32.8
20°-30°	404.9	26.5
30°-40°	242.4	15.8
40°-50°	46.4	3.0
50°-60°	3.8	0.2
60°-70°	1.2	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°	1236.1	80.8
0°-40°	1478.4	96.6
0°-60°	1528.6	99.9
0°-90°	1530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1530.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4459	
5°	3856	329
15°	1782	502
25°	869	405
35°	394	242
45°	47	46
55°	3	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P133453

CATALOG NUMBER: LD6A15D010TE ERN6A15835 6LN1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	4459.3
2.5°	4292.9
5°	3855.9
7.5°	3264.2
10°	2667.2
12.5°	2167.9
15°	1782.4
17.5°	1477.5
20°	1223.0
22.5°	1025.4
25°	868.7
27.5°	743.0
30°	636.7
32.5°	524.0
35°	394.1
37.5°	265.2
40°	160.0
42.5°	89.1
45°	47.2
47.5°	24.7
50°	12.9
52.5°	4.3
55°	3.2
57.5°	2.1
60°	2.1
62.5°	1.1
65°	1.1
67.5°	1.1
70°	1.1
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)