

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: P136033

Luminaire Tested: **LD6A15D010TE ERW6A15830 6LW1LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P136033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23358)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD6A15D010TE ERW6A15830 6LW1LI
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1597.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Circular (Dia: 0.46' x H: 0')
CIE Type: Direct

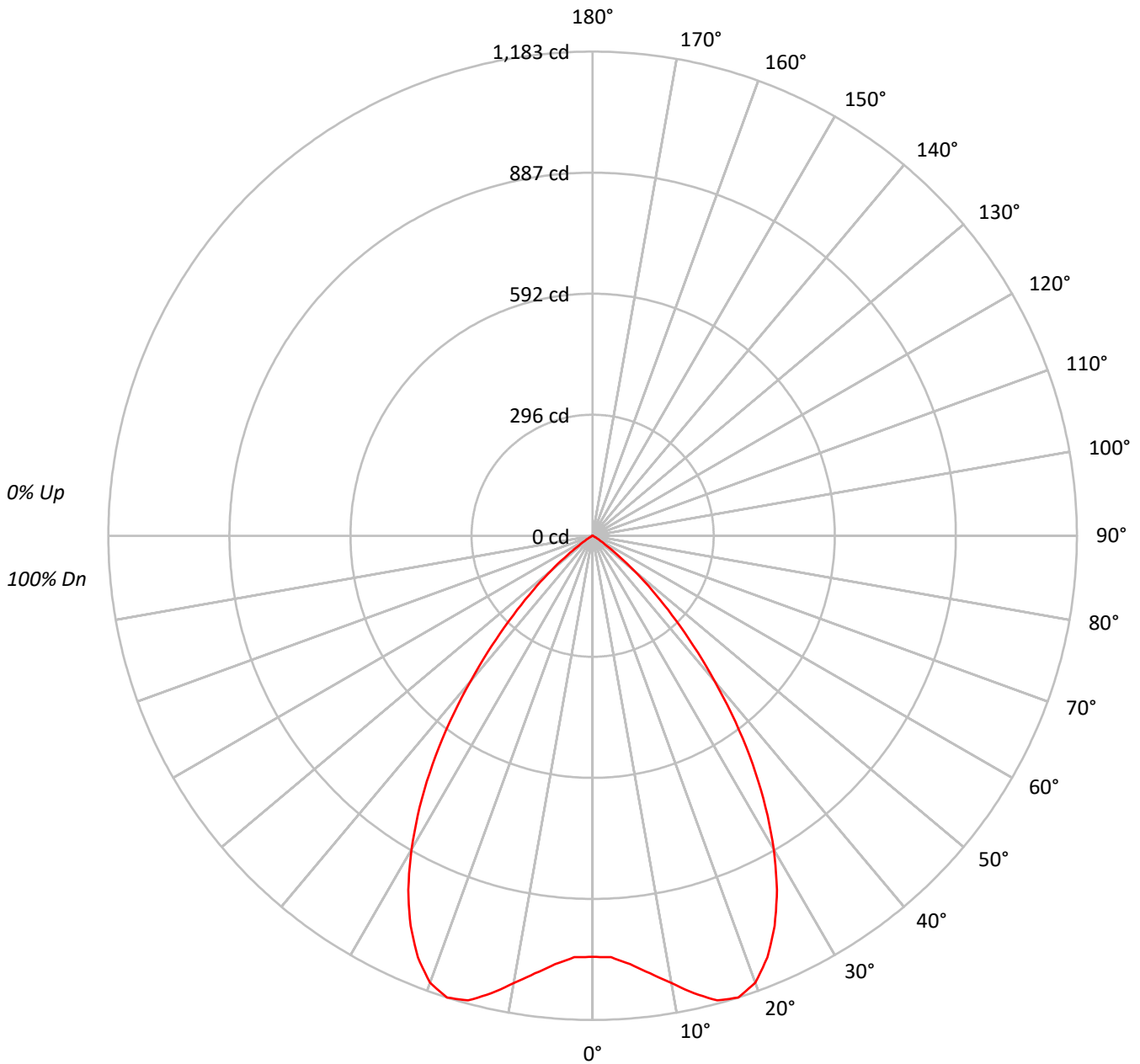
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	84	84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77	77	77	77
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70	70	70	70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65	65	65	65
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59	59	59	59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54	54	54	54
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50	50	50	50
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46	46	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67107
5°	68817
10°	73514
15°	79375
20°	80668
25°	75721
30°	66693
35°	54317
40°	39449
45°	25317
50°	13306
55°	4550
60°	1305
65°	340
70°	210
75°	277
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	6.4
10°-20°	329.7	20.6
20°-30°	478.3	30.0
30°-40°	421.4	26.4
40°-50°	215.7	13.5
50°-60°	45.4	2.8
60°-70°	3.5	0.2
70°-80°	0.7	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°	910.2	57.0
0°-40°	1331.6	83.4
0°-60°	1592.7	99.7
0°-90°	1597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1597.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1029	
5°	1051	102
15°	1175	330
25°	1052	478
35°	682	421
45°	274	216
55°	40	45
65°	2	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1028.6
2.5°	1030.8
5°	1050.8
7.5°	1078.6
10°	1109.7
12.5°	1145.2
15°	1175.2
17.5°	1183.0
20°	1161.9
22.5°	1115.3
25°	1051.9
27.5°	975.3
30°	885.3
32.5°	786.5
35°	682.0
37.5°	573.2
40°	463.2
42.5°	364.3
45°	274.4
47.5°	196.6
50°	131.1
52.5°	76.6
55°	40.0
57.5°	20.0
60°	10.0
62.5°	4.4
65°	2.2
67.5°	2.2
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)