

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: P136035

Luminaire Tested: **LD6A15D010TE ERW6A15840 6LW1LI**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P136035  
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 ERW6A15840 6LW1LI  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 4000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

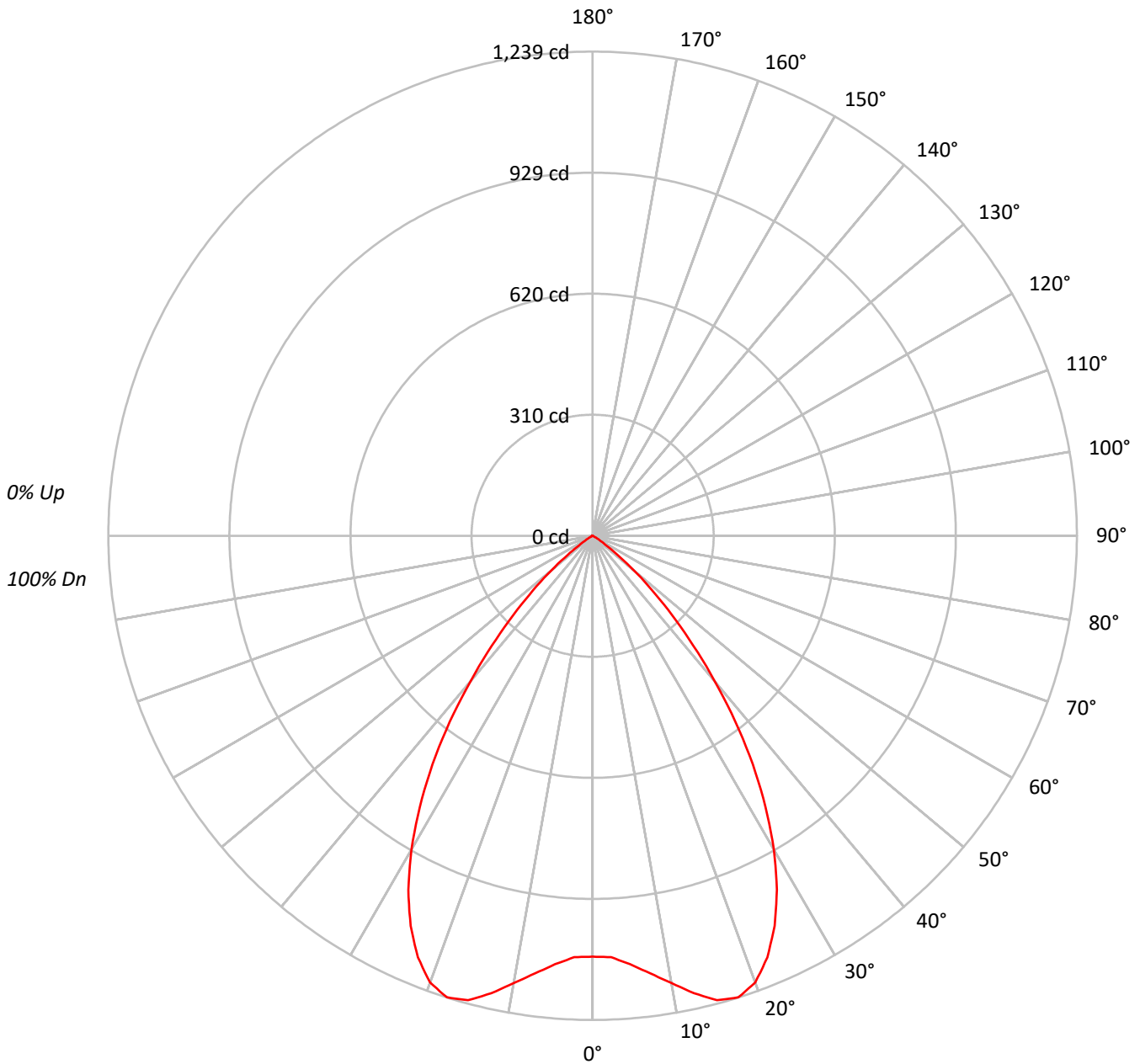
Lumens per Lamp: N/A  
Luminaire Lumens: 1672.0 lumens  
Efficiency: N/A  
Efficacy: 74.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 22.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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			100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92			92
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77			77
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70			70
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65			65
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54			54
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50			50
9	70	60	53	49	69	59	53	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	44	43			43

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

	0°
0°	70258
5°	72052
10°	76966
15°	83104
20°	84459
25°	79277
30°	69827
35°	56874
40°	41305
45°	26507
50°	13925
55°	4766
60°	1370
65°	355
70°	229
75°	302
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.0	6.4
10°-20°	345.1	20.6
20°-30°	500.8	30.0
30°-40°	441.1	26.4
40°-50°	225.9	13.5
50°-60°	47.6	2.8
60°-70°	3.7	0.2
70°-80°	0.8	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°	952.9	57.0
0°-40°	1394.1	83.4
0°-60°	1667.5	99.7
0°-90°	1672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1672.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1077	
5°	1100	107
15°	1230	345
25°	1101	501
35°	714	441
45°	287	226
55°	42	48
65°	2	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1076.9
2.5°	1079.2
5°	1100.2
7.5°	1129.2
10°	1161.8
12.5°	1199.0
15°	1230.4
17.5°	1238.6
20°	1216.5
22.5°	1167.6
25°	1101.3
27.5°	1021.1
30°	926.9
32.5°	823.4
35°	714.1
37.5°	600.1
40°	485.0
42.5°	381.5
45°	287.3
47.5°	205.8
50°	137.2
52.5°	80.2
55°	41.9
57.5°	20.9
60°	10.5
62.5°	4.7
65°	2.3
67.5°	2.3
70°	1.2
72.5°	1.2
75°	1.2
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)