

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: P135434

Luminaire Tested: **LD6A15D010TE ERM6A15835 6LM1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P135434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23371)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6A15D010TE ERM6A15835 6LM1H  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 3500K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

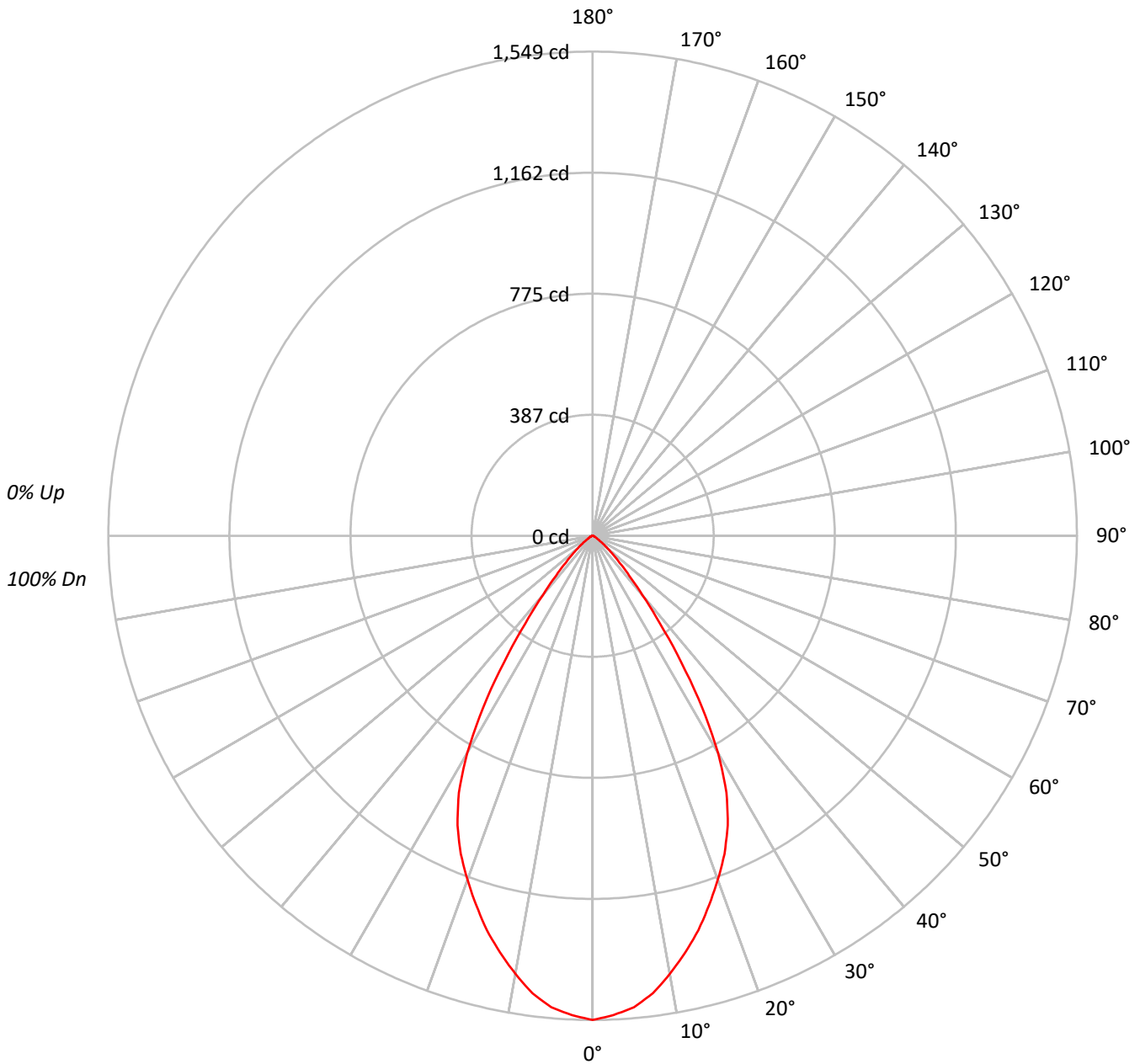
Lumens per Lamp: N/A  
Luminaire Lumens: 1421.0 lumens  
Efficiency: N/A  
Efficacy: 62.9 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.9  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 22.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P135434

CATALOG NUMBER: LD6A15D010TE ERM6A15835 6LM1H

### Luminous Intensity Polar Plot





TEST NUMBER: P135434

CATALOG NUMBER: LD6A15D010TE ERM6A15835 6LM1H

**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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	97	89	83	79	95	88	82	78	85	81	77	83	80	76	82	78	76	74		
5	91	83	77	72	90	82	76	72	80	75	72	78	74	71	77	73	70	69		
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64		
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60		
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56		
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52		
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49		

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

	0°
0°	101058
5°	99178
10°	94270
15°	88237
20°	81286
25°	73619
30°	60425
35°	39280
40°	21070
45°	11339
50°	6242
55°	3048
60°	1853
65°	1220
70°	897
75°	403
80°	601
85°	0



TEST NUMBER: P135434

CATALOG NUMBER: LD6A15D010TE ERM6A15835 6LM1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.6	10.0
10°-20°	365.4	25.7
20°-30°	462.3	32.5
30°-40°	310.8	21.9
40°-50°	102.1	7.2
50°-60°	27.5	1.9
60°-70°	8.5	0.6
70°-80°	2.5	0.2
80°-90°	0.2	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°	969.4	68.2
0°-40°	1280.1	90.1
0°-60°	1409.8	99.2
0°-90°	1421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1421.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1549	
5°	1514	142
15°	1306	365
25°	1023	462
35°	493	311
45°	123	102
55°	27	28
65°	8	9
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P135434

CATALOG NUMBER: LD6A15D010TE ERM6A15835 6LM1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1549.0
2.5°	1534.8
5°	1514.4
7.5°	1476.5
10°	1423.0
12.5°	1366.2
15°	1306.4
17.5°	1238.6
20°	1170.8
22.5°	1101.5
25°	1022.7
27.5°	926.6
30°	802.1
32.5°	652.4
35°	493.2
37.5°	353.0
40°	247.4
42.5°	173.3
45°	122.9
47.5°	86.7
50°	61.5
52.5°	41.0
55°	26.8
57.5°	18.9
60°	14.2
62.5°	11.0
65°	7.9
67.5°	6.3
70°	4.7
72.5°	3.2
75°	1.6
77.5°	1.6
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)