

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: P135432

Luminaire Tested: **LD6A15D010TE ERM6A15827 6LM1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P135432  
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 ERM6A15827 6LM1H  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 2700K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

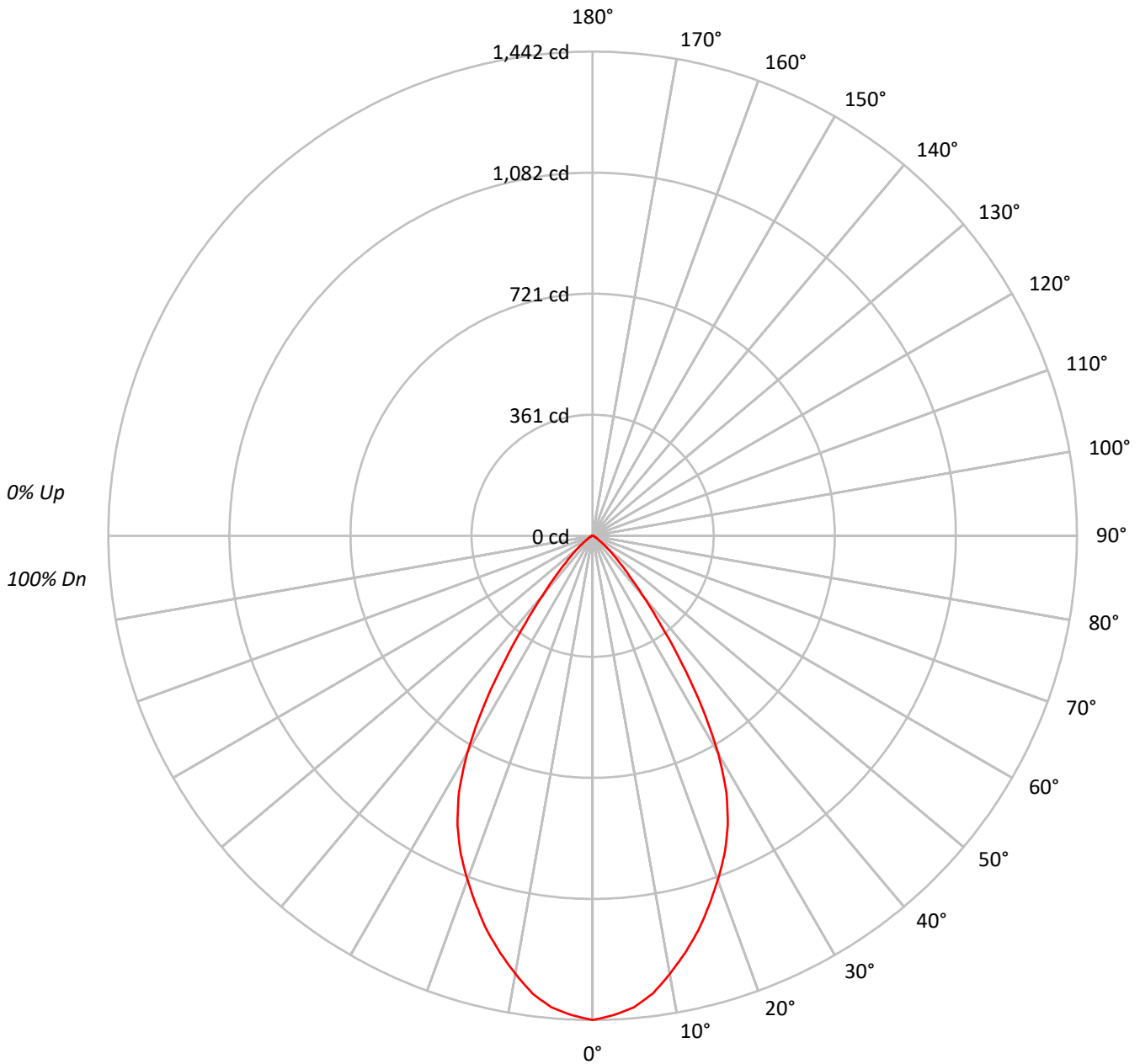
Lumens per Lamp: N/A  
Luminaire Lumens: 1323.0 lumens  
Efficiency: N/A  
Efficacy: 58.5 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.9  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 22.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



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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			
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	73	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°	94090
5°	92334
10°	87764
15°	82151
20°	75683
25°	68544
30°	56259
35°	36573
40°	19614
45°	10555
50°	5806
55°	2832
60°	1722
65°	1127
70°	839
75°	378
80°	564
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.9	10.0
10°-20°	340.2	25.7
20°-30°	430.4	32.5
30°-40°	289.3	21.9
40°-50°	95.1	7.2
50°-60°	25.6	1.9
60°-70°	8.0	0.6
70°-80°	2.3	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°	902.5	68.2
0°-40°	1191.8	90.1
0°-60°	1312.5	99.2
0°-90°	1323.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1323.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1442	
5°	1410	132
15°	1216	340
25°	952	430
35°	459	289
45°	114	95
55°	25	26
65°	7	8
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1442.2
2.5°	1429.0
5°	1409.9
7.5°	1374.7
10°	1324.8
12.5°	1272.0
15°	1216.3
17.5°	1153.2
20°	1090.1
22.5°	1025.5
25°	952.2
27.5°	862.7
30°	746.8
32.5°	607.4
35°	459.2
37.5°	328.6
40°	230.3
42.5°	161.4
45°	114.4
47.5°	80.7
50°	57.2
52.5°	38.1
55°	24.9
57.5°	17.6
60°	13.2
62.5°	10.3
65°	7.3
67.5°	5.9
70°	4.4
72.5°	2.9
75°	1.5
77.5°	1.5
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)