

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: P135491

Luminaire Tested: **LD6A30D010TE ERM6A30840 6LM1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P135491  
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: LD6A30D010TE ERM6A30840 6LM1H  
Description: PORTFOLIO 6 INCH 50 DEGREE CUTOFF RECESSED DOWNLIGHT  
MEDIUM DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 4000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

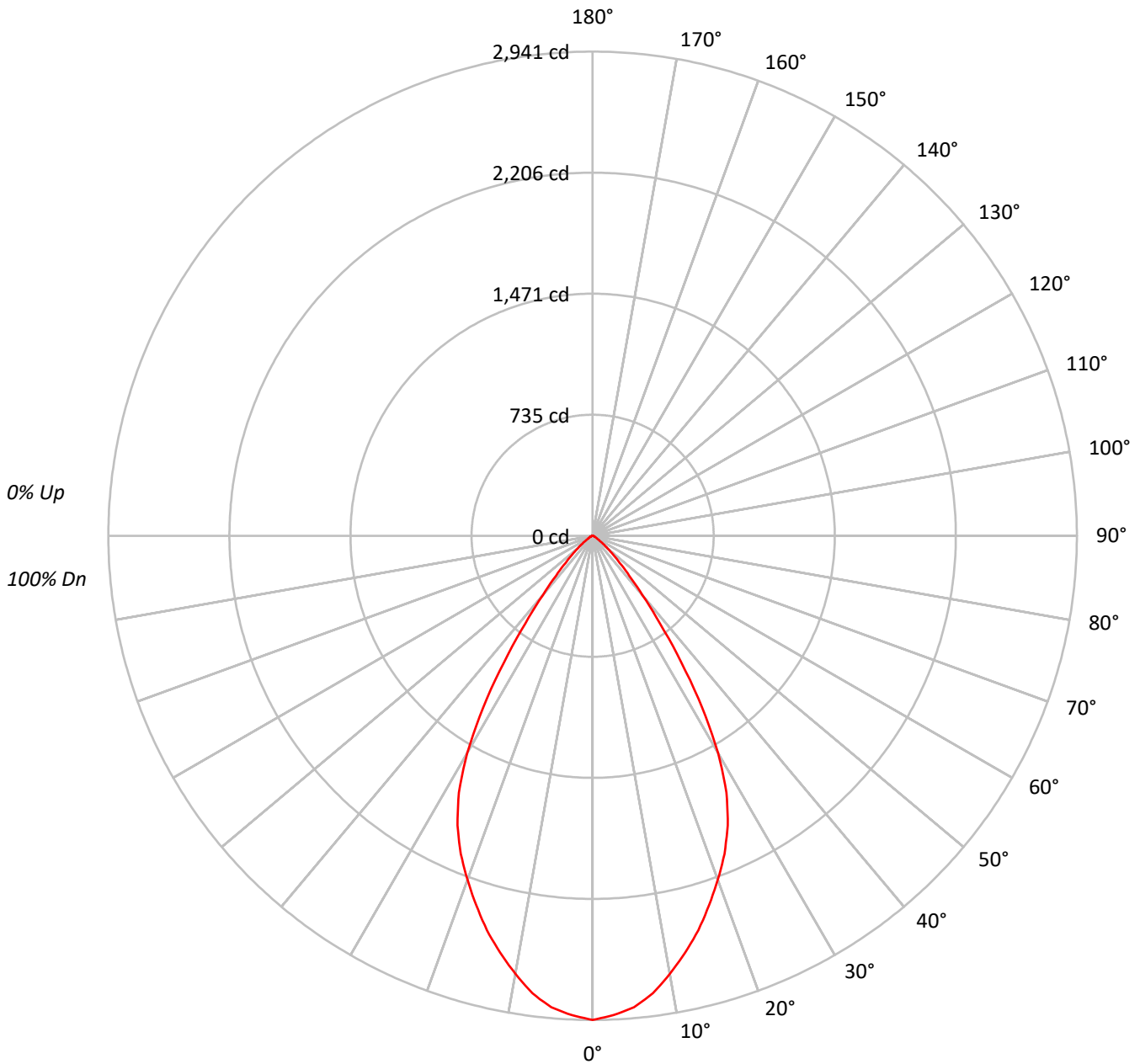
Lumens per Lamp: N/A  
Luminaire Lumens: 2698.1 lumens  
Efficiency: N/A  
Efficacy: 59.4 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.9  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 45.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P135491

CATALOG NUMBER: LD6A30D010TE ERM6A30840 6LM1H

### Luminous Intensity Polar Plot





TEST NUMBER: P135491

CATALOG NUMBER: LD6A30D010TE ERM6A30840 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	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°	191879
5°	188303
10°	178980
15°	167525
20°	154338
25°	139781
30°	114725
35°	74587
40°	40002
45°	21534
50°	11845
55°	5790
60°	3510
65°	2316
70°	1717
75°	756
80°	1127
85°	0



TEST NUMBER: P135491

CATALOG NUMBER: LD6A30D010TE ERM6A30840 6LM1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.9	10.0
10°-20°	693.8	25.7
20°-30°	877.7	32.5
30°-40°	590.0	21.9
40°-50°	193.9	7.2
50°-60°	52.3	1.9
60°-70°	16.2	0.6
70°-80°	4.7	0.2
80°-90°	0.4	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°	1840.5	68.2
0°-40°	2430.5	90.1
0°-60°	2676.7	99.2
0°-90°	2698.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2698.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2941	
5°	2875	269
15°	2480	694
25°	1942	878
35°	936	590
45°	233	194
55°	51	52
65°	15	16
75°	3	5
85°	0	0
90°	0	



TEST NUMBER: P135491

CATALOG NUMBER: LD6A30D010TE ERM6A30840 6LM1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2941.1
2.5°	2914.2
5°	2875.3
7.5°	2803.5
10°	2701.7
12.5°	2594.0
15°	2480.3
17.5°	2351.7
20°	2223.0
22.5°	2091.4
25°	1941.8
27.5°	1759.3
30°	1522.9
32.5°	1238.7
35°	936.5
37.5°	670.2
40°	469.7
42.5°	329.1
45°	233.4
47.5°	164.6
50°	116.7
52.5°	77.8
55°	50.9
57.5°	35.9
60°	26.9
62.5°	20.9
65°	15.0
67.5°	12.0
70°	9.0
72.5°	6.0
75°	3.0
77.5°	3.0
80°	3.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By E9808895 / USPTCWHP6082093







— 0°-180°







(END OF REPORT)