

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: P135494

Luminaire Tested: **LD6A30D010TE ERM6A30935 6LM1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P135494  
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 ERM6A30935 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**

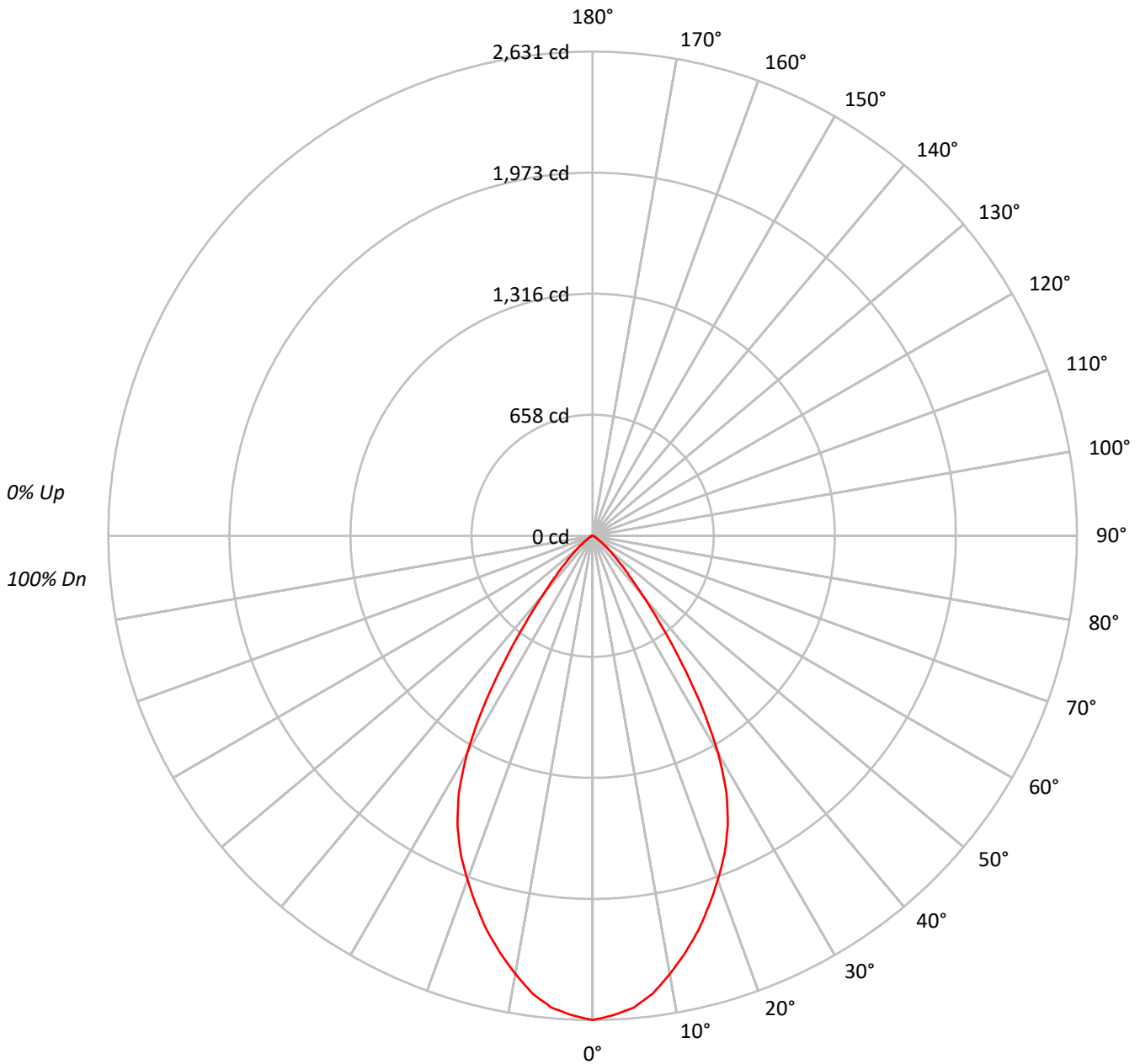
Lumens per Lamp: N/A  
Luminaire Lumens: 2413.9 lumens  
Efficiency: N/A  
Efficacy: 53.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.9  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 45.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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°	171674
5°	168479
10°	160146
15°	149889
20°	138092
25°	125060
30°	102649
35°	66734
40°	35795
45°	19265
50°	10596
55°	5175
60°	3145
65°	2069
70°	1526
75°	655
80°	977
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.6	10.0
10°-20°	620.8	25.7
20°-30°	785.3	32.5
30°-40°	527.9	21.9
40°-50°	173.5	7.2
50°-60°	46.8	1.9
60°-70°	14.5	0.6
70°-80°	4.2	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°	1646.7	68.2
0°-40°	2174.7	90.1
0°-60°	2394.9	99.2
0°-90°	2413.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2413.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2631	
5°	2573	241
15°	2219	621
25°	1737	785
35°	838	528
45°	209	173
55°	46	47
65°	13	15
75°	3	4
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2631.4
2.5°	2607.3
5°	2572.6
7.5°	2508.3
10°	2417.4
12.5°	2320.9
15°	2219.2
17.5°	2104.1
20°	1989.0
22.5°	1871.2
25°	1737.3
27.5°	1574.1
30°	1362.6
32.5°	1108.3
35°	837.9
37.5°	599.7
40°	420.3
42.5°	294.4
45°	208.8
47.5°	147.3
50°	104.4
52.5°	69.6
55°	45.5
57.5°	32.1
60°	24.1
62.5°	18.7
65°	13.4
67.5°	10.7
70°	8.0
72.5°	5.4
75°	2.6
77.5°	2.6
80°	2.6
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)