

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: P136214

Luminaire Tested: **LD6A30D010TE ERW6A30935 6LW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P136214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23374)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6A30D010TE ERW6A30935 6LW1H  
Description: PORTFOLIO 6 INCH 60 DEGREE CUTOFF RECESSED DOWNLIGHT  
WIDE DISTRIBUTION WITH SEMI-SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 3500K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

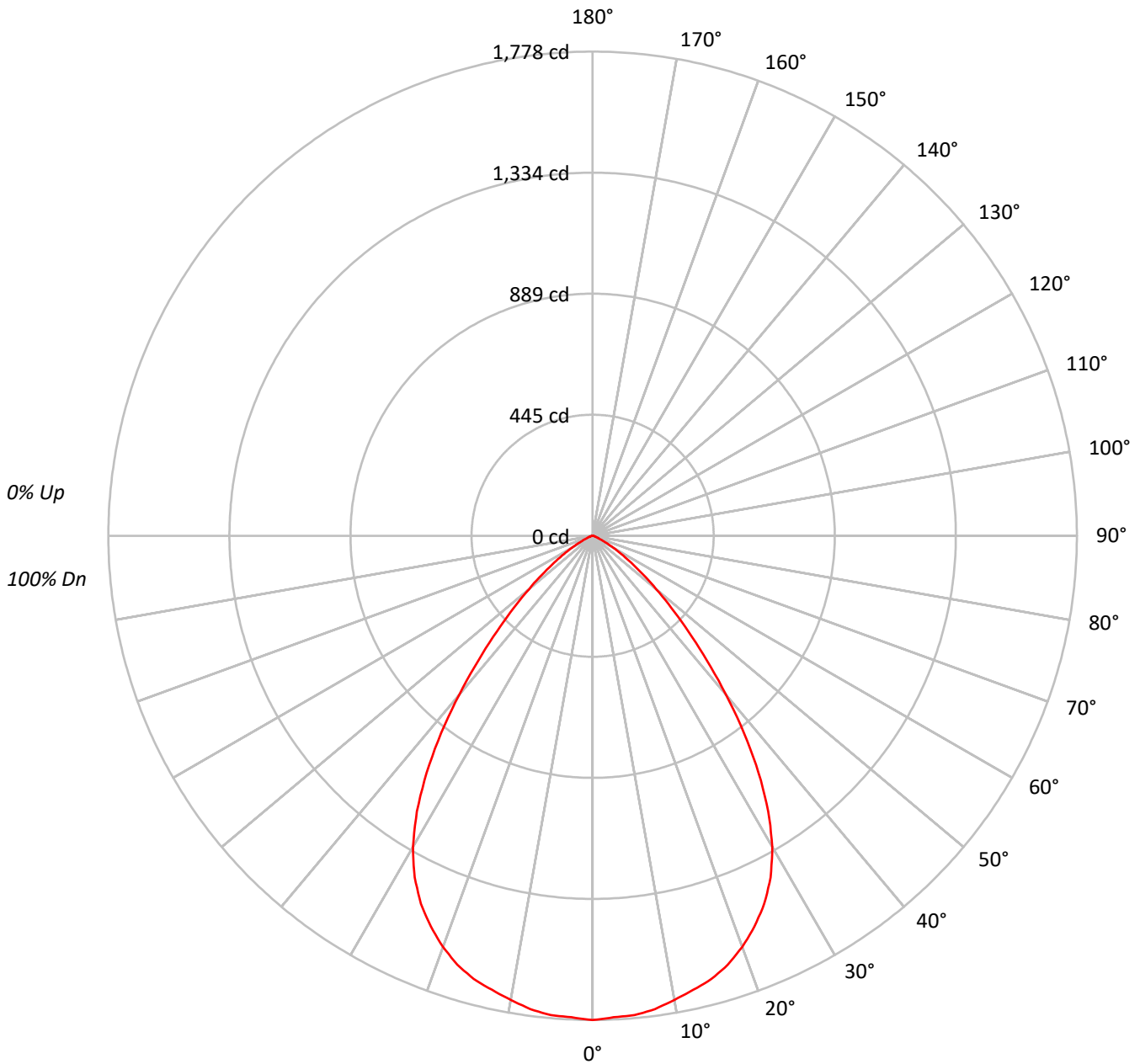
Lumens per Lamp: N/A  
Luminaire Lumens: 2580.1 lumens  
Efficiency: N/A  
Efficacy: 56.8 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.09  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 45.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61			
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56			
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51			
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	49	45	43			
10	64	53	46	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			

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

	0°
0°	116017
5°	115727
10°	114641
15°	113835
20°	111529
25°	107323
30°	99365
35°	84622
40°	64811
45°	45763
50°	30896
55°	19553
60°	11404
65°	5218
70°	3224
75°	2143
80°	1052
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.5	6.5
10°-20°	474.0	18.4
20°-30°	681.4	26.4
30°-40°	655.3	25.4
40°-50°	390.2	15.1
50°-60°	160.9	6.2
60°-70°	40.5	1.6
70°-80°	9.3	0.4
80°-90°	1.1	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°	1322.9	51.3
0°-40°	1978.1	76.7
0°-60°	2529.3	98.0
0°-90°	2580.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2580.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1778	
5°	1767	167
15°	1685	474
25°	1491	681
35°	1062	655
45°	496	390
55°	172	161
65°	34	40
75°	8	9
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1778.3
2.5°	1769.9
5°	1767.1
7.5°	1753.1
10°	1730.5
12.5°	1707.9
15°	1685.4
17.5°	1651.5
20°	1606.4
22.5°	1552.9
25°	1490.9
27.5°	1414.8
30°	1319.0
32.5°	1200.6
35°	1062.5
37.5°	913.2
40°	761.0
42.5°	620.0
45°	496.0
47.5°	391.8
50°	304.4
52.5°	233.9
55°	171.9
57.5°	124.0
60°	87.4
62.5°	56.3
65°	33.8
67.5°	22.6
70°	16.9
72.5°	11.2
75°	8.5
77.5°	5.7
80°	2.8
82.5°	2.8
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)