

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: P136210

Luminaire Tested: **LD6A30D010TE ERW6A30835 6LW1H**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P136210  
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 ERW6A30835 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**

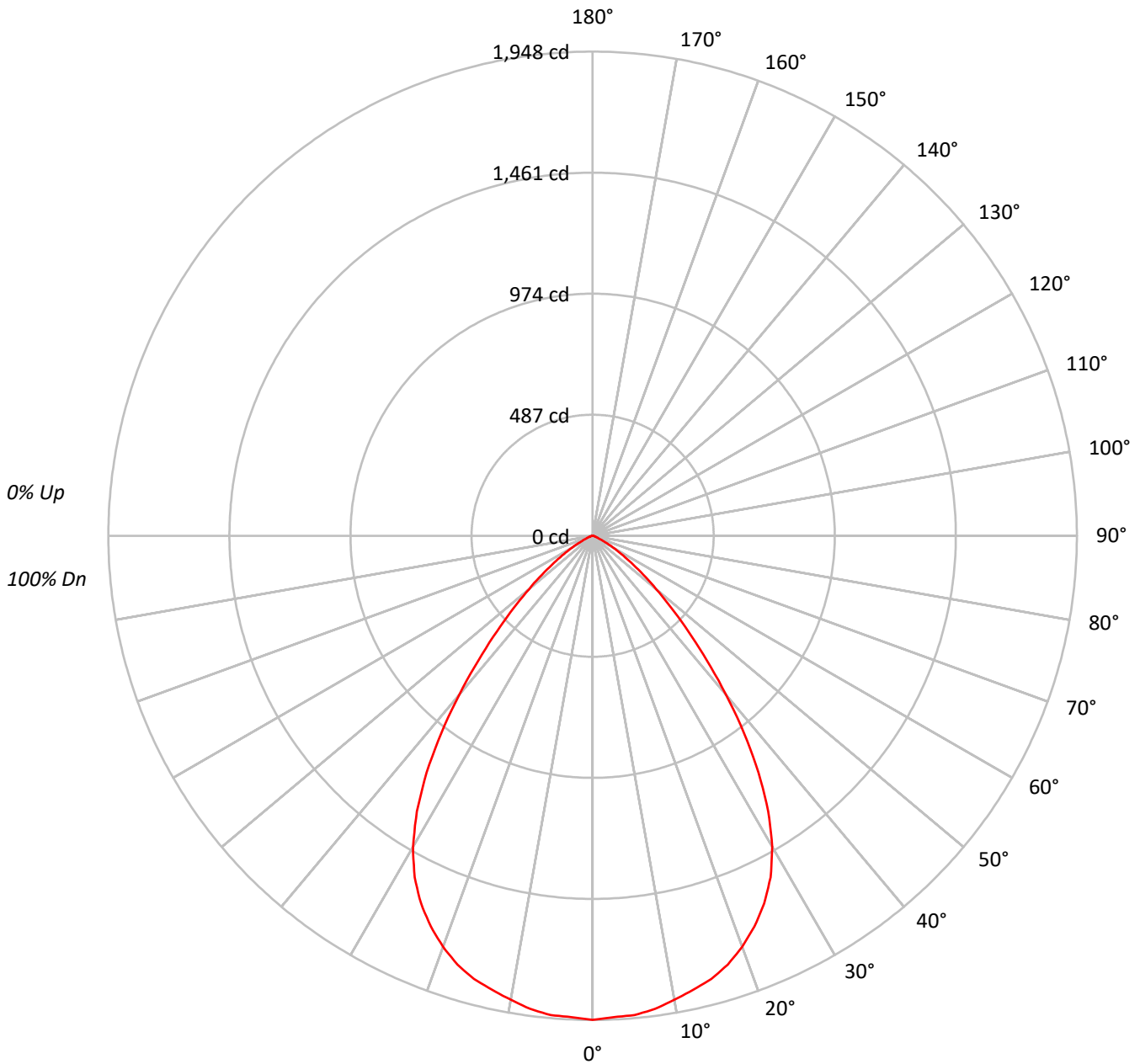
Lumens per Lamp: N/A  
Luminaire Lumens: 2826.0 lumens  
Efficiency: N/A  
Efficacy: 62.2 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.09  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 45.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	127076
5°	126756
10°	125565
15°	124683
20°	122158
25°	117552
30°	108834
35°	92690
40°	70986
45°	50127
50°	33839
55°	21418
60°	12487
65°	5712
70°	3529
75°	2344
80°	1165
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.4	6.5
10°-20°	519.2	18.4
20°-30°	746.3	26.4
30°-40°	717.7	25.4
40°-50°	427.4	15.1
50°-60°	176.2	6.2
60°-70°	44.3	1.6
70°-80°	10.2	0.4
80°-90°	1.3	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°	1448.9	51.3
0°-40°	2166.6	76.7
0°-60°	2770.3	98.0
0°-90°	2826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2826.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1948	
5°	1936	183
15°	1846	519
25°	1633	746
35°	1164	718
45°	543	427
55°	188	176
65°	37	44
75°	9	10
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1947.8
2.5°	1938.6
5°	1935.5
7.5°	1920.1
10°	1895.4
12.5°	1870.7
15°	1846.0
17.5°	1808.9
20°	1759.5
22.5°	1700.9
25°	1633.0
27.5°	1549.6
30°	1444.7
32.5°	1315.0
35°	1163.8
37.5°	1000.2
40°	833.5
42.5°	679.1
45°	543.3
47.5°	429.1
50°	333.4
52.5°	256.2
55°	188.3
57.5°	135.8
60°	95.7
62.5°	61.7
65°	37.0
67.5°	24.7
70°	18.5
72.5°	12.3
75°	9.3
77.5°	6.2
80°	3.1
82.5°	3.1
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)