

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: P252794

Luminaire Tested: **LD6B30D010 EU6B30508040 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252794  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B30D010 EU6B30508040 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3894.0 lumens  
Efficiency: N/A  
Efficacy: 139.1 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

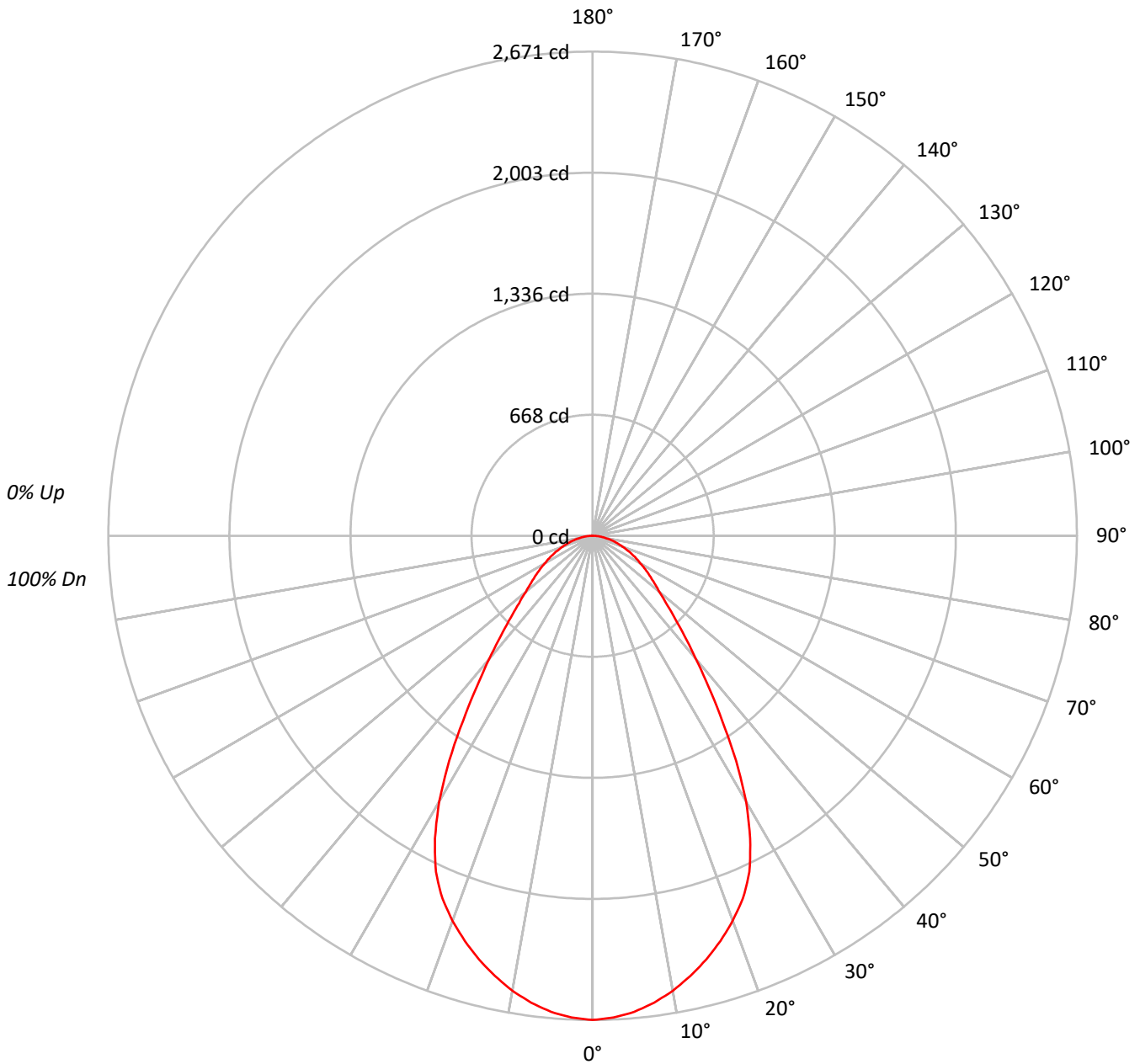
Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			

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

	0°
0°	174245
5°	172644
10°	168844
15°	163479
20°	156879
25°	147274
30°	127441
35°	99221
40°	75414
45°	58791
50°	48759
55°	43757
60°	39849
65°	36772
70°	33782
75°	31307
80°	28291
85°	25900



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.8	6.4
10°-20°	680.1	17.5
20°-30°	926.2	23.8
30°-40°	783.8	20.1
40°-50°	502.8	12.9
50°-60°	346.0	8.9
60°-70°	236.4	6.1
70°-80°	131.5	3.4
80°-90°	38.5	1.0
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°	1855.1	47.6
0°-40°	2638.9	67.8
0°-60°	3487.6	89.6
0°-90°	3894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3894.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2671	
5°	2636	249
15°	2420	680
25°	2046	926
35°	1246	784
45°	637	503
55°	385	346
65°	238	236
75°	124	132
85°	35	38
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2670.8
2.5°	2660.6
5°	2636.2
7.5°	2597.5
10°	2548.7
12.5°	2487.6
15°	2420.4
17.5°	2343.1
20°	2259.6
22.5°	2166.0
25°	2045.9
27.5°	1883.0
30°	1691.7
32.5°	1471.8
35°	1245.8
37.5°	1048.4
40°	885.5
42.5°	749.1
45°	637.2
47.5°	549.6
50°	480.4
52.5°	427.5
55°	384.7
57.5°	344.0
60°	305.4
62.5°	270.7
65°	238.2
67.5°	205.6
70°	177.1
72.5°	148.6
75°	124.2
77.5°	99.7
80°	75.3
82.5°	55.0
85°	34.6
87.5°	14.2
90°	0.0



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— 0°-180°







(END OF REPORT)