

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: P252015

Luminaire Tested: **LD4B30D010 EU4B30508050 4LBBA1MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P252015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-3)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LD4B30D010 EU4B30508050 4LBBA1MW
Description: PORTFOLIO 4 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3617.0 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.99
Luminous Opening: Circular (Dia: 0.38' x H: 0')
CIE Type: Direct

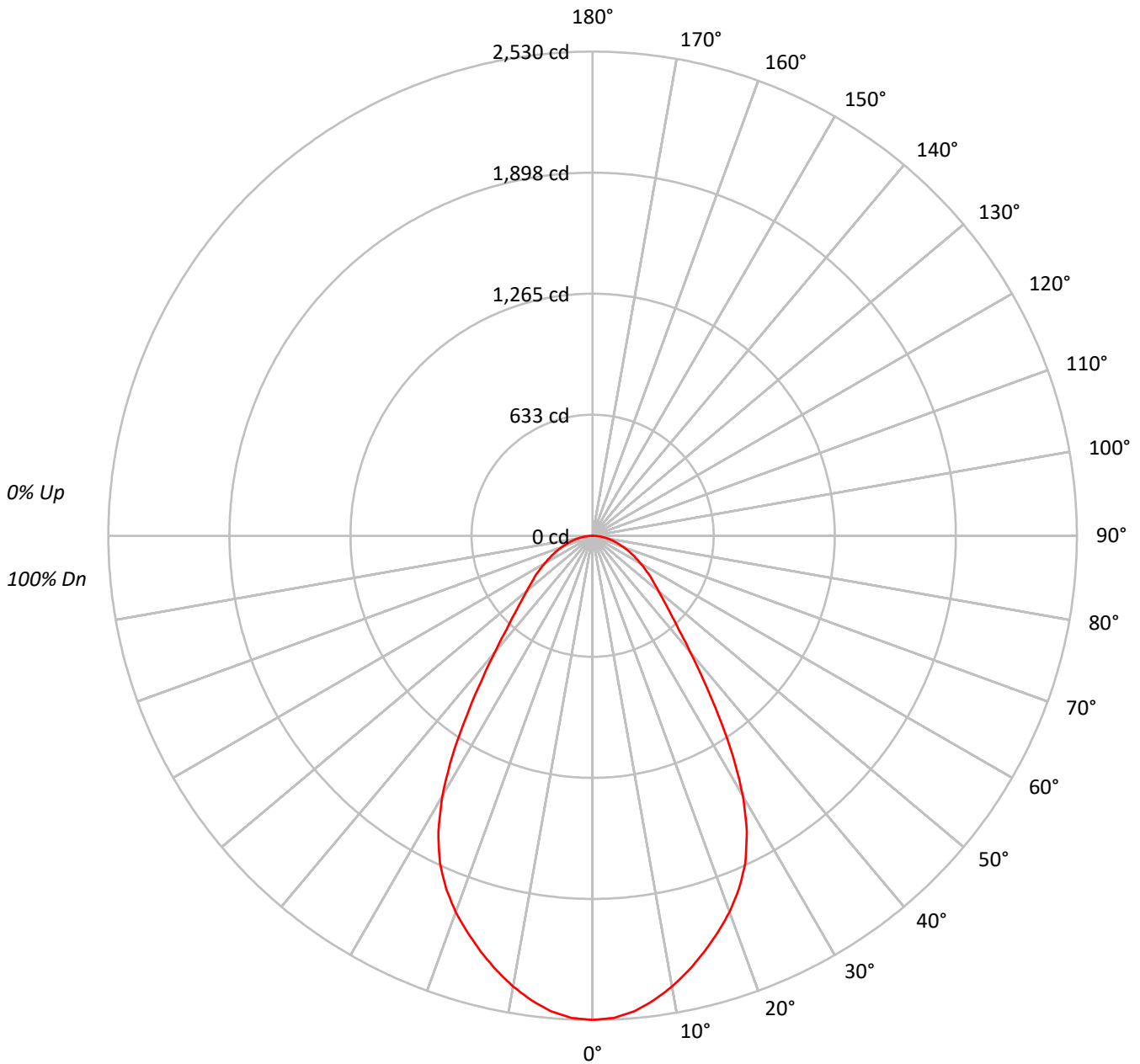
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
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	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	58	50	45	68	57	50	45	56	49	45	54	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	38	49	43	38	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	246520
5°	243999
10°	236666
15°	227167
20°	216946
25°	202893
30°	176612
35°	136285
40°	100837
45°	79347
50°	68152
55°	61967
60°	56487
65°	52278
70°	48327
75°	45299
80°	42037
85°	39696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.7	6.5
10°-20°	632.8	17.5
20°-30°	856.2	23.7
30°-40°	719.5	19.9
40°-50°	455.3	12.6
50°-60°	327.0	9.0
60°-70°	225.0	6.2
70°-80°	127.4	3.5
80°-90°	39.2	1.1
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°	1723.7	47.7
0°-40°	2443.2	67.5
0°-60°	3225.4	89.2
0°-90°	3617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3617.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2530	
5°	2494	235
15°	2252	633
25°	1887	856
35°	1146	719
45°	576	455
55°	365	327
65°	227	225
75°	120	127
85°	36	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2529.5
2.5°	2521.7
5°	2494.1
7.5°	2448.7
10°	2391.5
12.5°	2324.5
15°	2251.5
17.5°	2172.7
20°	2091.8
22.5°	1997.2
25°	1886.8
27.5°	1744.9
30°	1569.4
32.5°	1364.3
35°	1145.5
37.5°	952.3
40°	792.6
42.5°	668.4
45°	575.7
47.5°	504.7
50°	449.5
52.5°	404.2
55°	364.7
57.5°	325.3
60°	289.8
62.5°	256.3
65°	226.7
67.5°	197.2
70°	169.6
72.5°	143.9
75°	120.3
77.5°	96.6
80°	74.9
82.5°	55.2
85°	35.5
87.5°	15.8
90°	0.0



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— 0°-180°







(END OF REPORT)