

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: P252769

Luminaire Tested: **LD6B15D010 EU6B10208050 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252769  
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: LD6B15D010 EU6B10208050 6LBBA1MW  
Description: PORTFOLIO 6 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: 1931.1 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

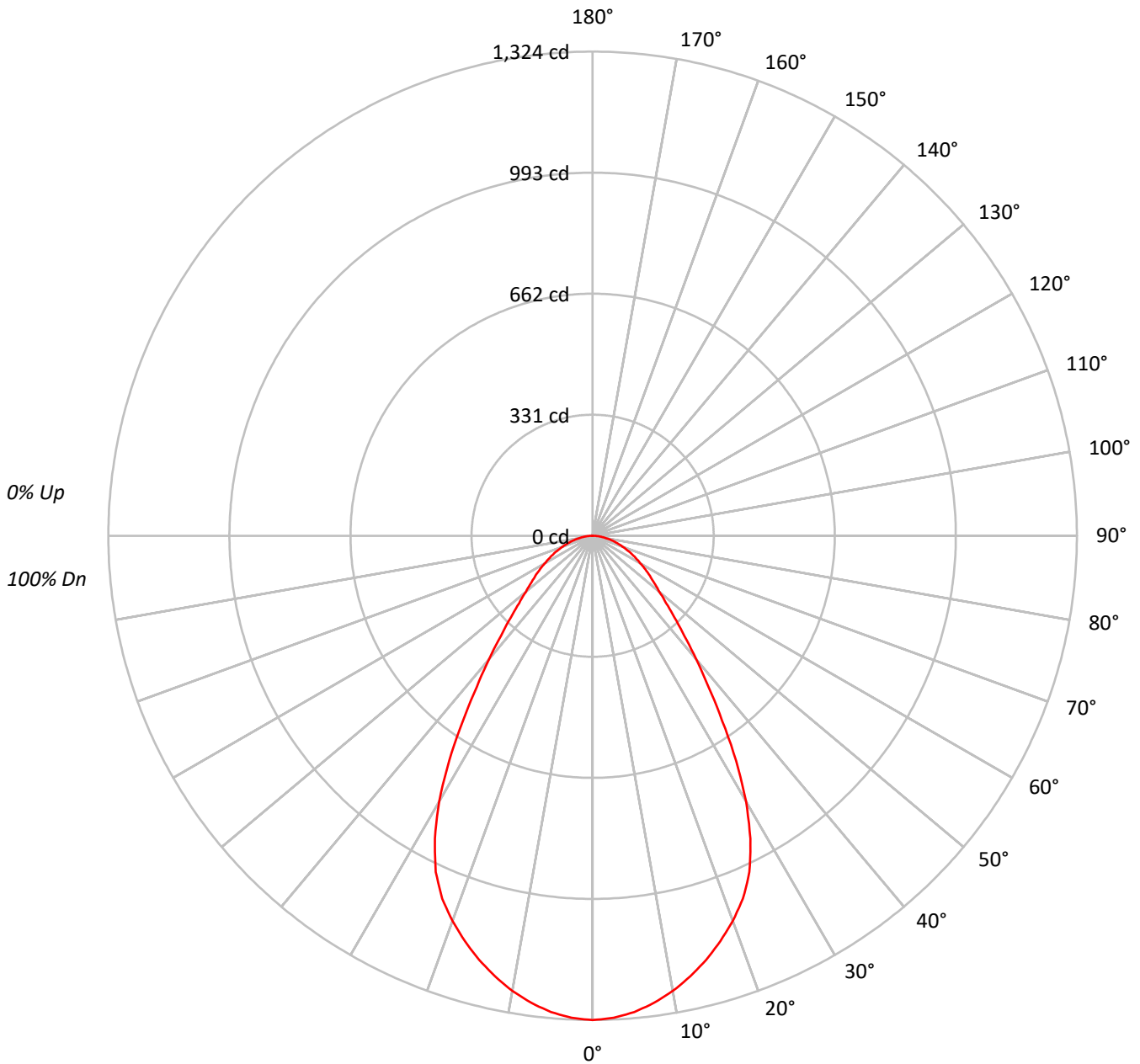
Input Watts (W): 14.39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78				78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69				69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62				62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47				47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43				43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37				37

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

	0°
0°	86405
5°	85615
10°	83730
15°	81071
20°	77794
25°	73029
30°	63197
35°	49204
40°	37396
45°	29155
50°	24176
55°	21702
60°	19755
65°	18231
70°	16748
75°	15528
80°	14051
85°	12875



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.4	6.4
10°-20°	337.2	17.5
20°-30°	459.3	23.8
30°-40°	388.7	20.1
40°-50°	249.3	12.9
50°-60°	171.6	8.9
60°-70°	117.2	6.1
70°-80°	65.2	3.4
80°-90°	19.1	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°	919.9	47.6
0°-40°	1308.6	67.8
0°-60°	1729.5	89.6
0°-90°	1931.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1931.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1324	
5°	1307	123
15°	1200	337
25°	1014	459
35°	618	389
45°	316	249
55°	191	172
65°	118	117
75°	62	65
85°	17	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1324.4
2.5°	1319.4
5°	1307.3
7.5°	1288.1
10°	1263.9
12.5°	1233.6
15°	1200.3
17.5°	1161.9
20°	1120.5
22.5°	1074.1
25°	1014.5
27.5°	933.8
30°	838.9
32.5°	729.9
35°	617.8
37.5°	519.9
40°	439.1
42.5°	371.5
45°	316.0
47.5°	272.6
50°	238.2
52.5°	212.0
55°	190.8
57.5°	170.6
60°	151.4
62.5°	134.3
65°	118.1
67.5°	102.0
70°	87.8
72.5°	73.7
75°	61.6
77.5°	49.5
80°	37.4
82.5°	27.3
85°	17.2
87.5°	7.1
90°	0.0



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— 0°-180°







(END OF REPORT)