

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P710910

Luminaire Tested: **LD6C02D010 EU6029027 6LBHYH**

Issue Date: 10/18/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P710910  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/18/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C02D010 EU6029027 6LBHYH  
Description: 6 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LCHYP TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

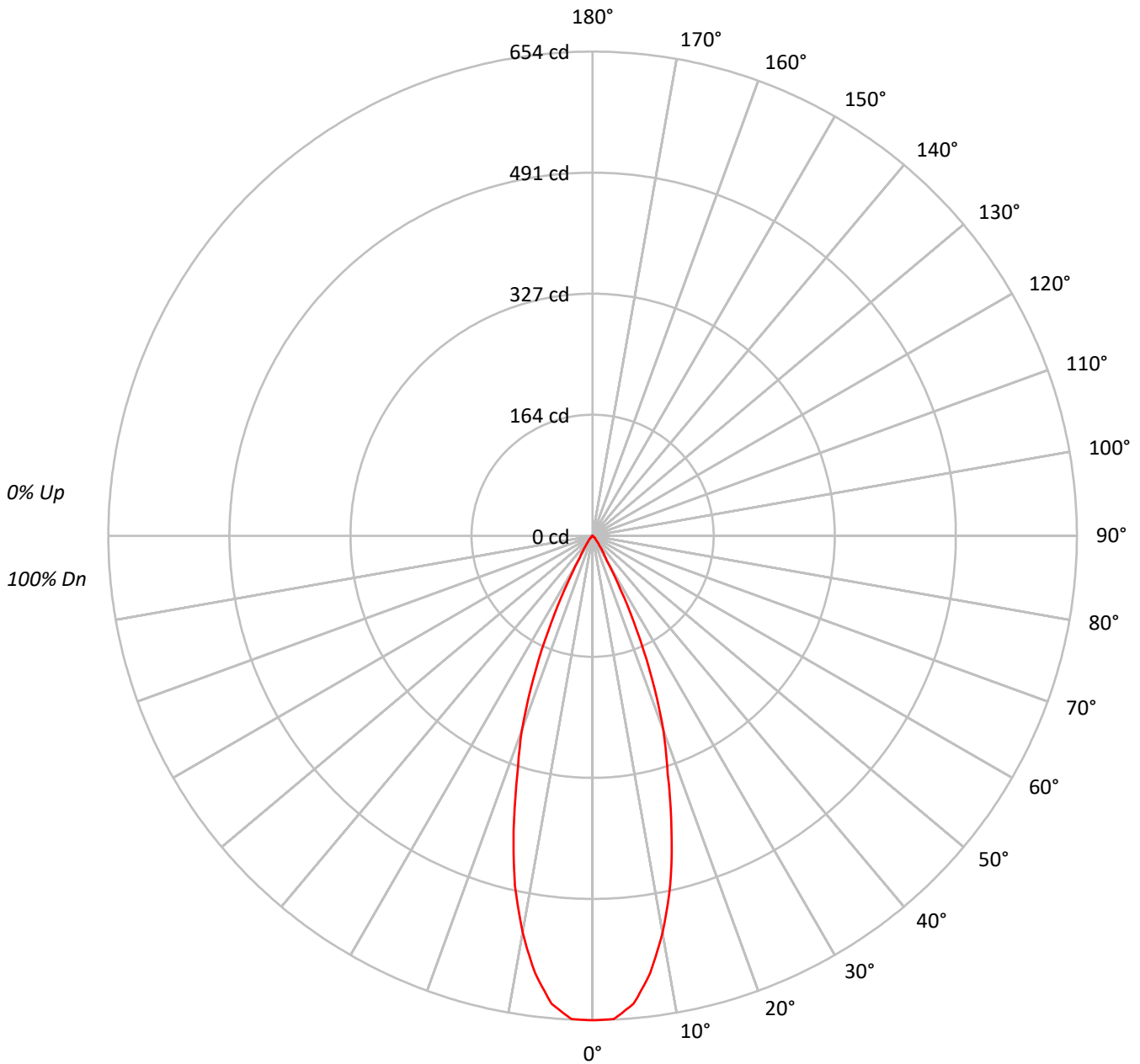
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 249.9 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.59  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.5  
Input Voltage (V):  
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	100	100	100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96	96	96	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88	88	88	88
4	103	97	92	89	101	96	92	88	94	90	87	92	89	86	90	88	86	84	84	84	84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81	81	81	81
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78	78	78	78
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	75	75	75	75
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	72	72	72
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69	69	69	69
10	83	76	71	68	83	76	71	68	75	71	68	74	71	68	73	70	68	67	67	67	67

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

	0°
0°	35874
5°	34927
10°	30304
15°	23383
20°	16300
25°	8583
30°	2399
35°	1064
40°	530
45°	271
50°	119
55°	10
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.6	23.0
10°-20°	112.6	45.1
20°-30°	65.1	26.0
30°-40°	11.4	4.6
40°-50°	2.9	1.2
50°-60°	0.3	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	235.3	94.2
0°-40°	246.7	98.7
0°-60°	249.9	100.0
0°-90°	249.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	249.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	654	
5°	635	58
15°	412	113
25°	142	65
35°	16	11
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	654.4
2.5°	653.4
5°	634.7
7.5°	595.8
10°	544.4
12.5°	484.3
15°	412.0
17.5°	337.5
20°	279.4
22.5°	209.8
25°	141.9
27.5°	81.2
30°	37.9
32.5°	25.9
35°	15.9
37.5°	10.6
40°	7.4
42.5°	5.1
45°	3.5
47.5°	2.3
50°	1.4
52.5°	0.6
55°	0.1
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)