

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: P839453

Luminaire Tested: **LD6C10D010 EU6109035 6LCSQWLI**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C10D010 EU6109035 6LCSQWLI  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

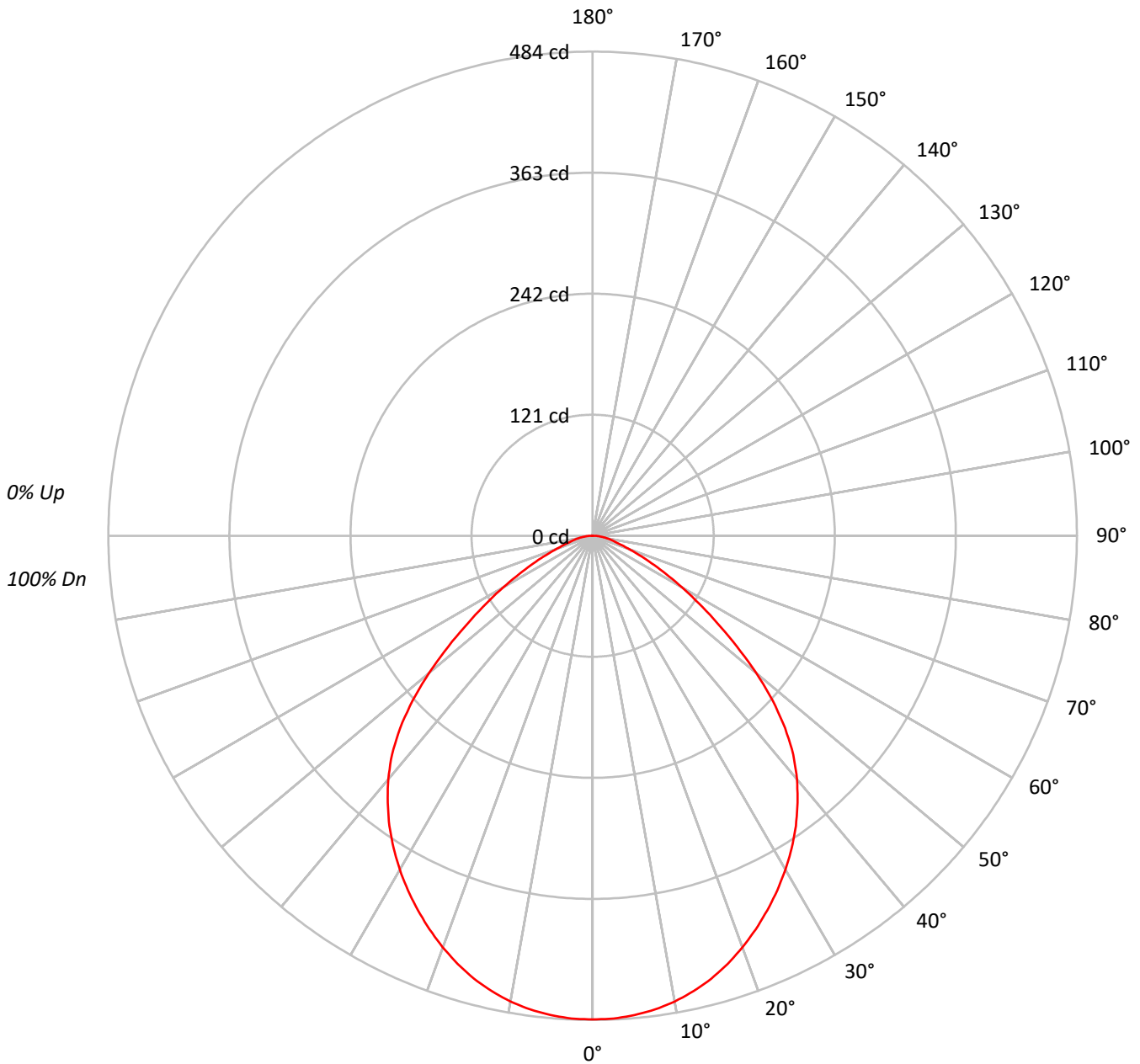
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1031.0 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.8  
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
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

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

	0°
0°	20817
5°	20785
10°	20671
15°	20433
20°	20060
25°	19625
30°	19161
35°	18612
40°	17862
45°	16568
50°	14274
55°	11387
60°	8869
65°	6632
70°	4821
75°	3826
80°	3570
85°	3557



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.7	4.4
10°-20°	129.1	12.5
20°-30°	190.2	18.5
30°-40°	221.0	21.4
40°-50°	207.7	20.1
50°-60°	137.5	13.3
60°-70°	66.3	6.4
70°-80°	25.6	2.5
80°-90°	8.0	0.8
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°	365.0	35.4
0°-40°	586.0	56.8
0°-60°	931.2	90.3
0°-90°	1031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1031.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	484	
5°	481	46
15°	458	129
25°	413	190
35°	354	221
45°	272	208
55°	152	138
65°	65	66
75°	23	26
85°	7	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	483.5
2.5°	483.1
5°	480.9
7.5°	477.6
10°	472.8
12.5°	466.3
15°	458.4
17.5°	448.8
20°	437.8
22.5°	425.8
25°	413.1
27.5°	399.6
30°	385.4
32.5°	370.3
35°	354.1
37.5°	336.4
40°	317.8
42.5°	296.8
45°	272.1
47.5°	244.2
50°	213.1
52.5°	181.7
55°	151.7
57.5°	125.9
60°	103.0
62.5°	82.4
65°	65.1
67.5°	50.5
70°	38.3
72.5°	29.1
75°	23.0
77.5°	18.6
80°	14.4
82.5°	10.7
85°	7.2
87.5°	4.2
90°	0.0



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— 0°-180°







(END OF REPORT)