

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: P839432

Luminaire Tested: **LD6C02D010 EU6029030 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839432  
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: LD6C02D010 EU6029030 6LCSQWLI  
Description: 6 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

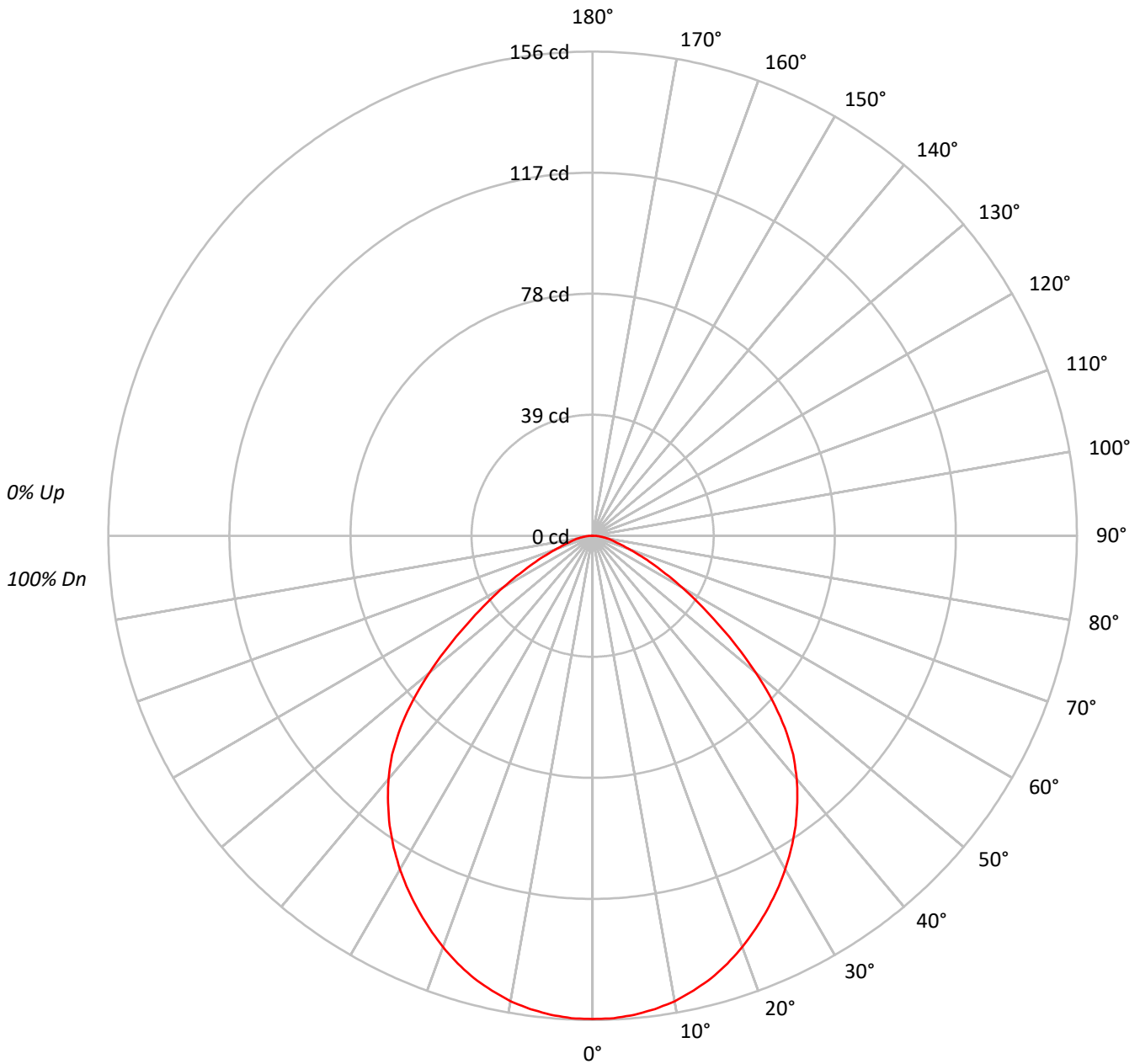
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 331.9 lumens  
Efficiency: N/A  
Efficacy: 94.8 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): 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

TEST NUMBER: P839432

CATALOG NUMBER: LD6C02D010 EU6029030 6LCSQWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P839432

CATALOG NUMBER: LD6C02D010 EU6029030 6LCSQWLI

**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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

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

	0°
0°	6704
5°	6695
10°	6659
15°	6579
20°	6460
25°	6318
30°	6170
35°	5992
40°	5750
45°	5334
50°	4595
55°	3671
60°	2859
65°	2139
70°	1548
75°	1231
80°	1141
85°	1136



TEST NUMBER: P839432

CATALOG NUMBER: LD6C02D010 EU6029030 6LCSQWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.7	4.4
10°-20°	41.6	12.5
20°-30°	61.3	18.5
30°-40°	71.1	21.4
40°-50°	66.9	20.1
50°-60°	44.3	13.3
60°-70°	21.3	6.4
70°-80°	8.2	2.5
80°-90°	2.5	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°	117.5	35.4
0°-40°	188.7	56.8
0°-60°	299.8	90.3
0°-90°	331.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	331.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	156	
5°	155	15
15°	148	42
25°	133	61
35°	114	71
45°	88	67
55°	49	44
65°	21	21
75°	7	8
85°	2	3
90°	0	



TEST NUMBER: P839432

CATALOG NUMBER: LD6C02D010 EU6029030 6LCSQWLI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	155.7
2.5°	155.6
5°	154.9
7.5°	153.8
10°	152.3
12.5°	150.1
15°	147.6
17.5°	144.5
20°	141.0
22.5°	137.1
25°	133.0
27.5°	128.7
30°	124.1
32.5°	119.2
35°	114.0
37.5°	108.3
40°	102.3
42.5°	95.6
45°	87.6
47.5°	78.6
50°	68.6
52.5°	58.5
55°	48.9
57.5°	40.5
60°	33.2
62.5°	26.5
65°	21.0
67.5°	16.3
70°	12.3
72.5°	9.4
75°	7.4
77.5°	6.0
80°	4.6
82.5°	3.4
85°	2.3
87.5°	1.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)