

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: P839433

Luminaire Tested: **LD6C02D010 EU6029035 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839433  
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 EU6029035 6LCSQWLI  
Description: 6 INCH 250 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

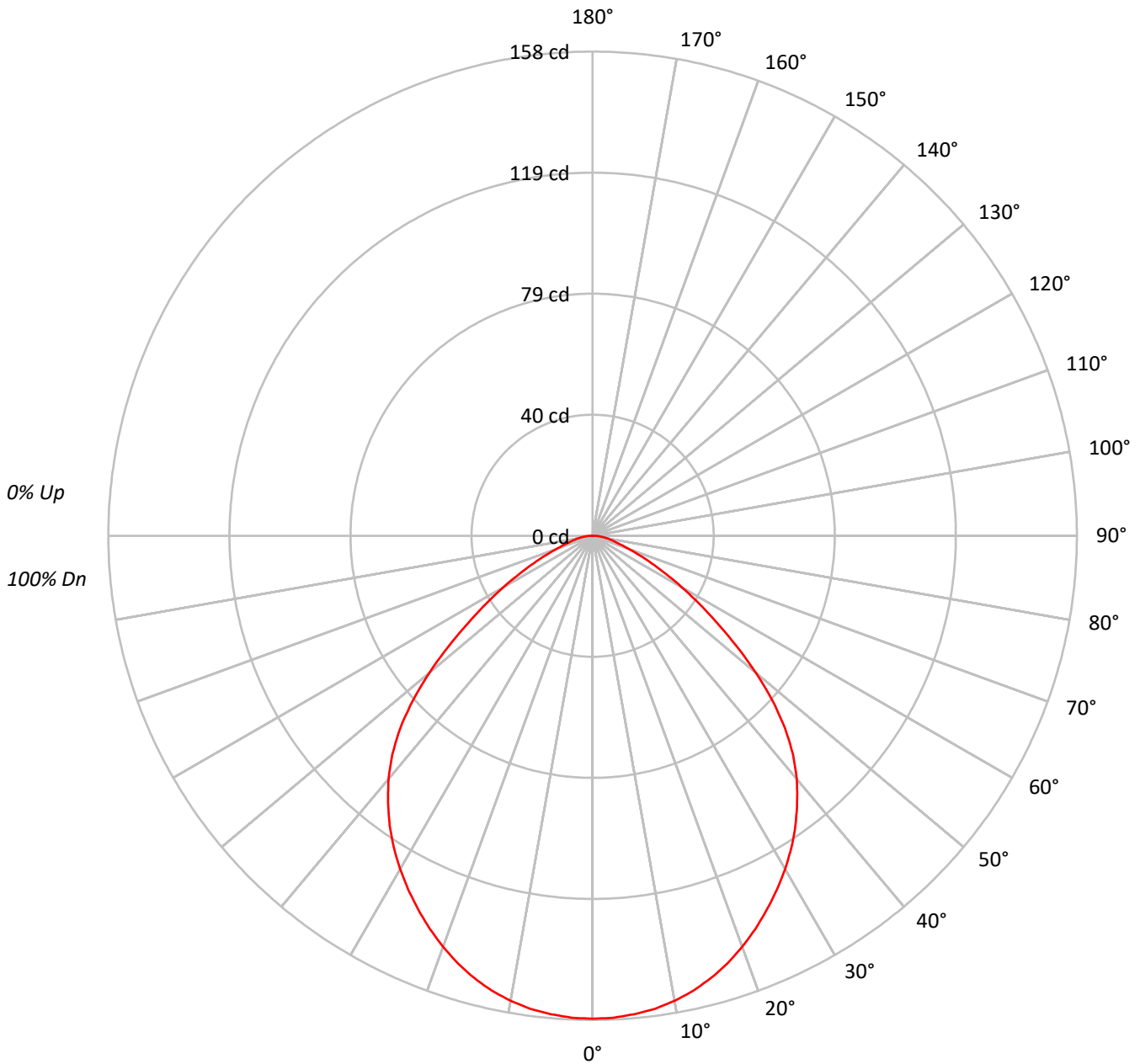
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 336.1 lumens  
Efficiency: N/A  
Efficacy: 96.0 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

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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°	6786
5°	6773
10°	6737
15°	6659
20°	6538
25°	6394
30°	6244
35°	6066
40°	5823
45°	5401
50°	4655
55°	3708
60°	2893
65°	2160
70°	1574
75°	1248
80°	1165
85°	1186



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.9	4.4
10°-20°	42.1	12.5
20°-30°	62.0	18.4
30°-40°	72.0	21.4
40°-50°	67.7	20.1
50°-60°	44.8	13.3
60°-70°	21.6	6.4
70°-80°	8.4	2.5
80°-90°	2.6	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°	119.0	35.4
0°-40°	191.0	56.8
0°-60°	303.5	90.3
0°-90°	336.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	336.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	158	
5°	157	15
15°	149	42
25°	135	62
35°	115	72
45°	89	68
55°	49	45
65°	21	22
75°	8	8
85°	2	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	157.6
2.5°	157.4
5°	156.7
7.5°	155.7
10°	154.1
12.5°	152.0
15°	149.4
17.5°	146.3
20°	142.7
22.5°	138.8
25°	134.6
27.5°	130.2
30°	125.6
32.5°	120.7
35°	115.4
37.5°	109.6
40°	103.6
42.5°	96.7
45°	88.7
47.5°	79.6
50°	69.5
52.5°	59.2
55°	49.4
57.5°	41.0
60°	33.6
62.5°	26.9
65°	21.2
67.5°	16.5
70°	12.5
72.5°	9.5
75°	7.5
77.5°	6.1
80°	4.7
82.5°	3.5
85°	2.4
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)