

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: P839448

Luminaire Tested: **LD6C100D010 EU61009035 6LCSQWLI**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839448  
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: LD6C100D010 EU61009035 6LCSQWLI  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

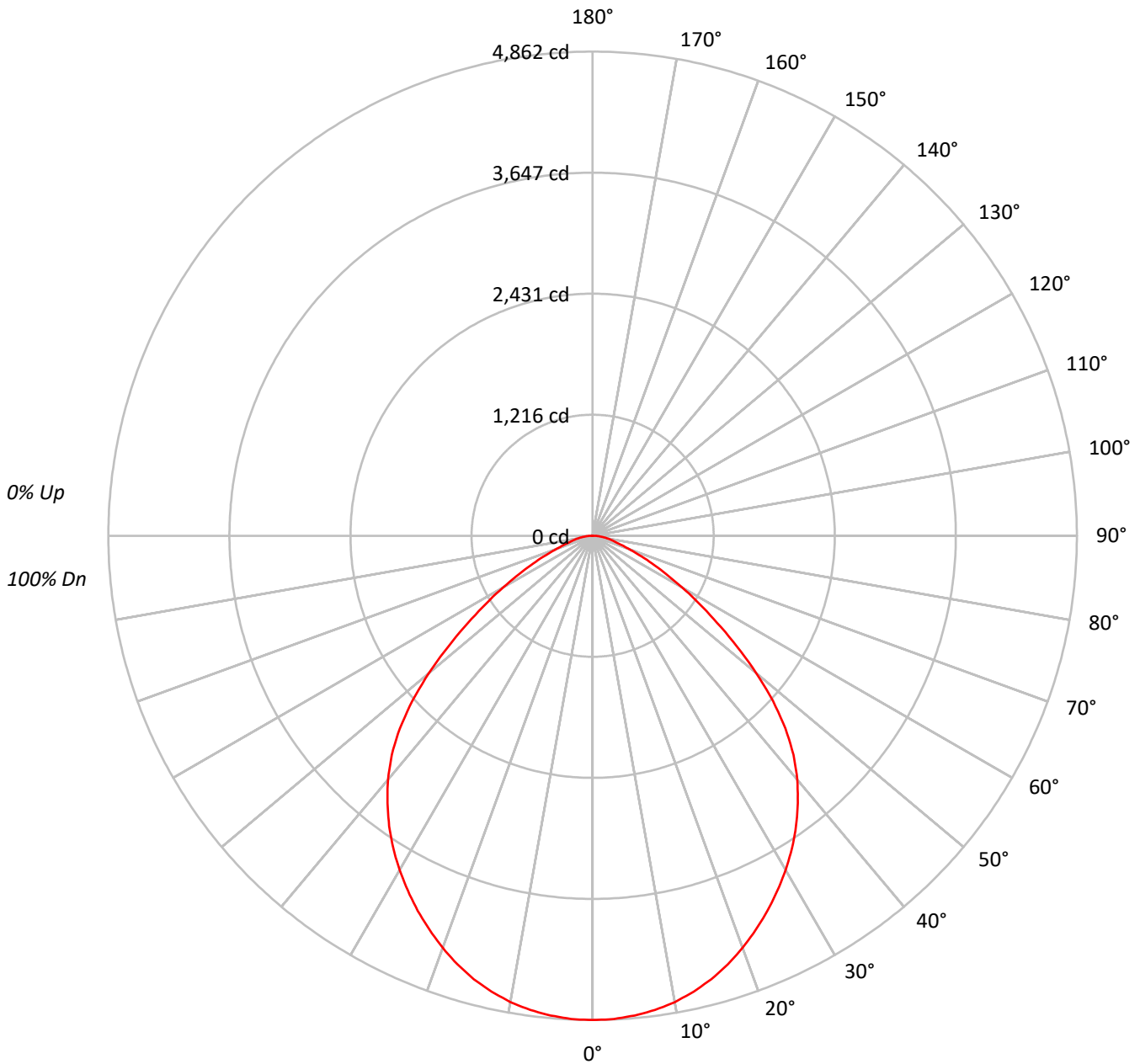
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10367.0 lumens  
Efficiency: N/A  
Efficacy: 90.6 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): 114.4  
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				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°	209337
5°	208995
10°	207857
15°	205453
20°	201722
25°	197352
30°	192656
35°	187160
40°	179626
45°	166625
50°	143551
55°	114505
60°	89151
65°	66730
70°	48428
75°	38395
80°	35977
85°	35816



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	459.1	4.4
10°-20°	1298.1	12.5
20°-30°	1912.9	18.5
30°-40°	2222.2	21.4
40°-50°	2088.8	20.1
50°-60°	1382.7	13.3
60°-70°	666.3	6.4
70°-80°	256.9	2.5
80°-90°	80.2	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°	3670.0	35.4
0°-40°	5892.2	56.8
0°-60°	9363.7	90.3
0°-90°	10367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10367.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4862	
5°	4836	459
15°	4609	1298
25°	4154	1913
35°	3561	2222
45°	2736	2089
55°	1525	1383
65°	655	666
75°	231	257
85°	72	80
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4862.0
2.5°	4857.6
5°	4835.6
7.5°	4802.7
10°	4754.3
12.5°	4688.4
15°	4609.2
17.5°	4512.5
20°	4402.6
22.5°	4281.7
25°	4154.2
27.5°	4018.0
30°	3875.1
32.5°	3723.4
35°	3560.8
37.5°	3382.7
40°	3195.9
42.5°	2984.9
45°	2736.5
47.5°	2455.2
50°	2143.1
52.5°	1826.6
55°	1525.4
57.5°	1266.1
60°	1035.3
62.5°	828.7
65°	655.0
67.5°	507.7
70°	384.7
72.5°	292.3
75°	230.8
77.5°	186.8
80°	145.1
82.5°	107.7
85°	72.5
87.5°	41.8
90°	0.0



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— 0°-180°







(END OF REPORT)