

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: P839450

Luminaire Tested: **LD6C100D010 EU61009050 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839450  
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 EU61009050 6LCSQWLI  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

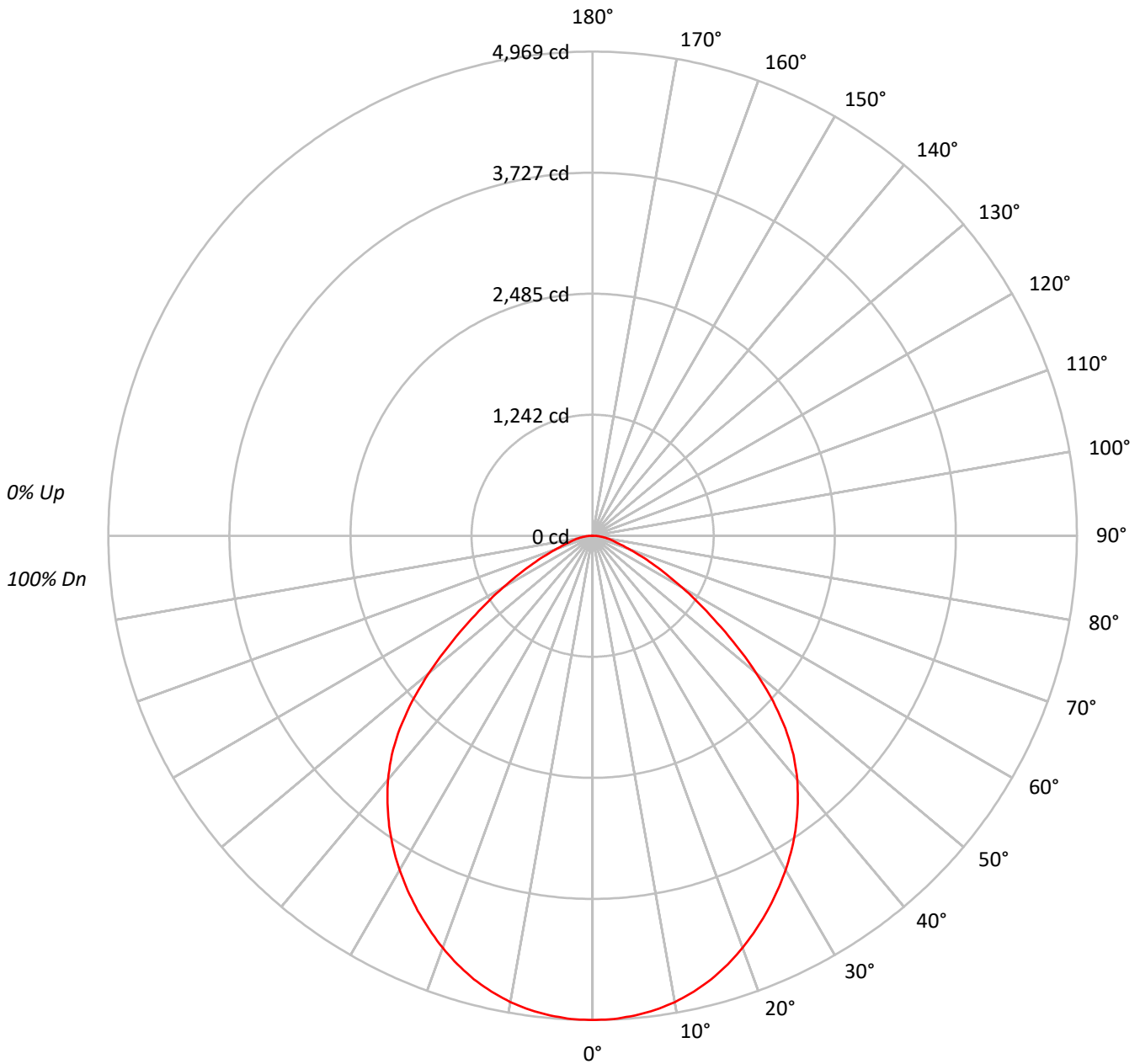
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10596.0 lumens  
Efficiency: N/A  
Efficacy: 92.6 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				
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			
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			

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

	0°
0°	213961
5°	213611
10°	212448
15°	209995
20°	206180
25°	201713
30°	196912
35°	191291
40°	183594
45°	170309
50°	146719
55°	117034
60°	91114
65°	68208
70°	49486
75°	39243
80°	36771
85°	36606



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.2	4.4
10°-20°	1326.7	12.5
20°-30°	1955.2	18.5
30°-40°	2271.3	21.4
40°-50°	2134.9	20.1
50°-60°	1413.2	13.3
60°-70°	681.0	6.4
70°-80°	262.6	2.5
80°-90°	81.9	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°	3751.1	35.4
0°-40°	6022.4	56.8
0°-60°	9570.5	90.3
0°-90°	10596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10596.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4969	
5°	4942	469
15°	4711	1327
25°	4246	1955
35°	3639	2271
45°	2797	2135
55°	1559	1413
65°	670	681
75°	236	263
85°	74	82
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4969.4
2.5°	4964.9
5°	4942.4
7.5°	4908.8
10°	4859.3
12.5°	4791.9
15°	4711.1
17.5°	4612.2
20°	4499.9
22.5°	4376.3
25°	4246.0
27.5°	4106.7
30°	3960.7
32.5°	3805.7
35°	3639.4
37.5°	3457.5
40°	3266.5
42.5°	3050.8
45°	2797.0
47.5°	2509.4
50°	2190.4
52.5°	1866.9
55°	1559.1
57.5°	1294.0
60°	1058.1
62.5°	847.0
65°	669.5
67.5°	519.0
70°	393.1
72.5°	298.8
75°	235.9
77.5°	191.0
80°	148.3
82.5°	110.1
85°	74.1
87.5°	42.7
90°	0.0



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— 0°-180°







(END OF REPORT)