

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: P839541

Luminaire Tested: **LD6C90D010 EU6909027 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839541  
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: LD6C90D010 EU6909027 6LCSQWLI  
Description: 6 INCH 9000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

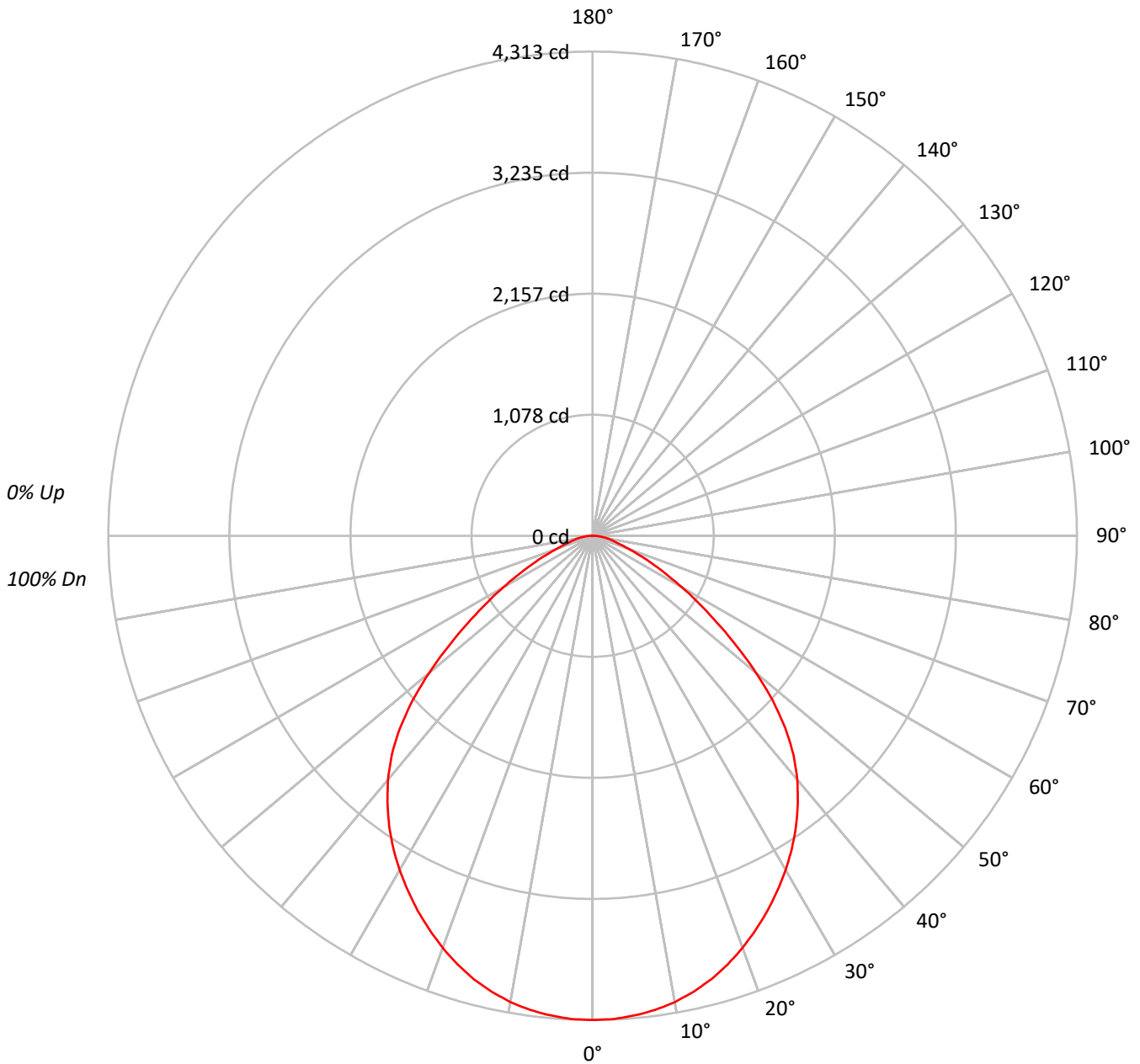
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9195.9 lumens  
Efficiency: N/A  
Efficacy: 94.7 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): 97.1  
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°	185690
5°	185388
10°	184380
15°	182247
20°	178936
25°	175062
30°	170895
35°	166020
40°	159336
45°	147804
50°	127334
55°	101571
60°	79076
65°	59191
70°	42952
75°	34053
80°	31911
85°	31765



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	407.2	4.4
10°-20°	1151.4	12.5
20°-30°	1696.8	18.5
30°-40°	1971.2	21.4
40°-50°	1852.8	20.1
50°-60°	1226.5	13.3
60°-70°	591.0	6.4
70°-80°	227.9	2.5
80°-90°	71.1	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°	3255.5	35.4
0°-40°	5226.7	56.8
0°-60°	8306.0	90.3
0°-90°	9195.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9195.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4313	
5°	4289	407
15°	4089	1151
25°	3685	1697
35°	3159	1971
45°	2427	1853
55°	1353	1226
65°	581	591
75°	205	228
85°	64	71
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4312.8
2.5°	4308.9
5°	4289.4
7.5°	4260.2
10°	4217.3
12.5°	4158.8
15°	4088.6
17.5°	4002.8
20°	3905.3
22.5°	3798.1
25°	3685.0
27.5°	3564.1
30°	3437.4
32.5°	3302.9
35°	3158.6
37.5°	3000.6
40°	2834.9
42.5°	2647.7
45°	2427.4
47.5°	2177.9
50°	1901.0
52.5°	1620.2
55°	1353.1
57.5°	1123.0
60°	918.3
62.5°	735.1
65°	581.0
67.5°	450.4
70°	341.2
72.5°	259.3
75°	204.7
77.5°	165.7
80°	128.7
82.5°	95.5
85°	64.3
87.5°	37.0
90°	0.0



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— 0°-180°







(END OF REPORT)