

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: P840409

Luminaire Tested: **LDS4C60D010 EU4609027 4LBPSSQMMS**

Issue Date: 8/24/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



**Test Information**

Test Method: LM-79-08  
Report Number: P840409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C60D010 EU4609027 4LBPSSQMMS  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBPSSQ TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

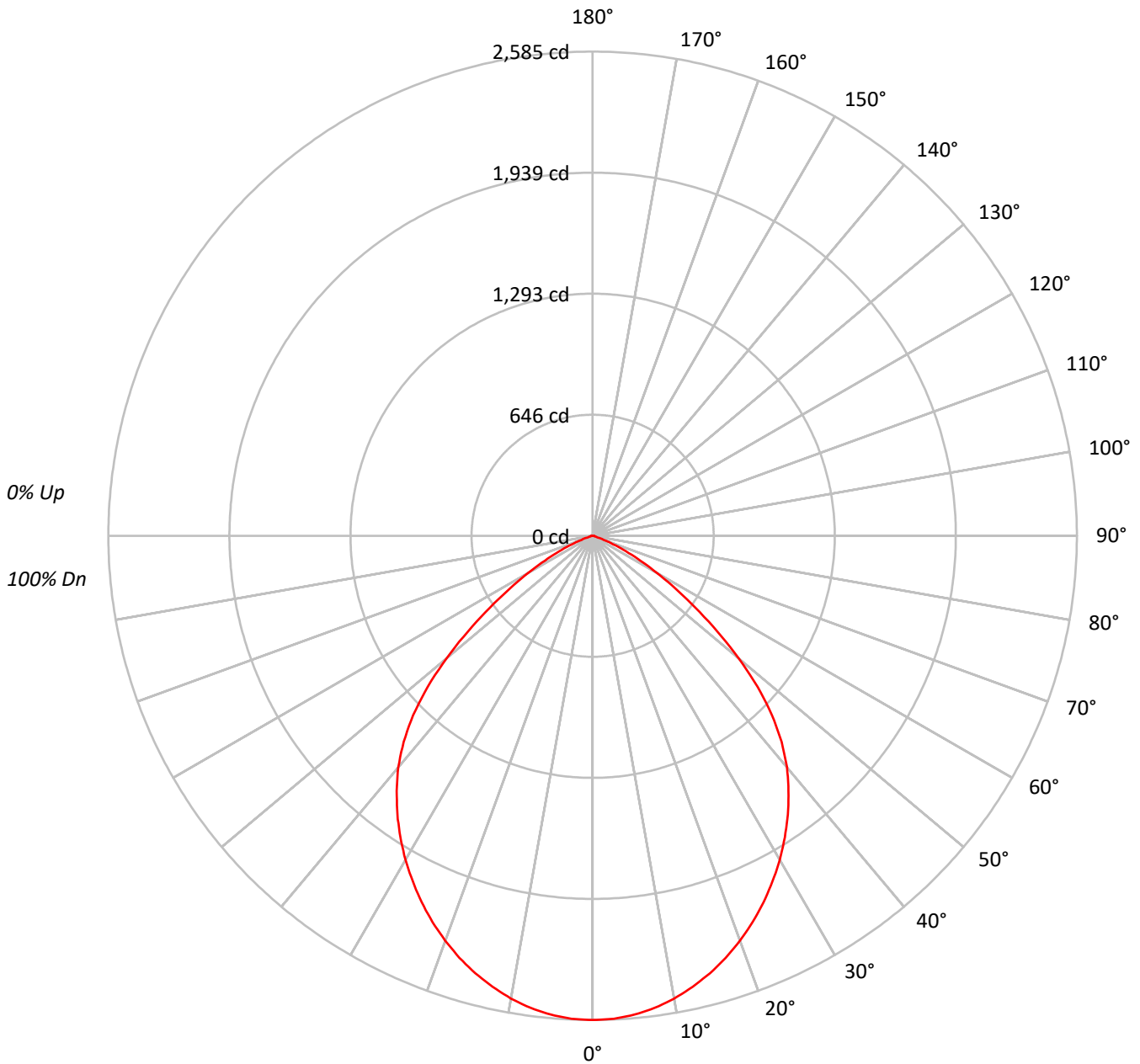
Lumens per Lamp: N/A  
Luminaire Lumens: 4923.0 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 72  
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90				90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79				79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70				70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62				62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55				55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49				49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44				44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40				40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36				36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33				33

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

	0°
0°	249424
5°	248575
10°	245835
15°	241610
20°	236198
25°	229876
30°	222642
35°	214062
40°	203270
45°	184816
50°	152572
55°	112356
60°	76246
65°	44658
70°	17632
75°	3952
80°	5168
85°	8857



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	243.2	4.9
10°-20°	681.1	13.8
20°-30°	993.4	20.2
30°-40°	1133.9	23.0
40°-50°	1030.9	20.9
50°-60°	608.0	12.4
60°-70°	203.9	4.1
70°-80°	21.3	0.4
80°-90°	7.5	0.2
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°	1917.6	39.0
0°-40°	3051.5	62.0
0°-60°	4690.4	95.3
0°-90°	4923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4923.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2585	
5°	2566	243
15°	2419	681
25°	2159	993
35°	1817	1134
45°	1354	1031
55°	668	608
65°	196	204
75°	11	21
85°	8	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2585.0
2.5°	2581.0
5°	2566.4
7.5°	2542.4
10°	2509.1
12.5°	2466.6
15°	2418.7
17.5°	2362.8
20°	2300.3
22.5°	2232.4
25°	2159.2
27.5°	2079.4
30°	1998.3
32.5°	1909.1
35°	1817.3
37.5°	1717.6
40°	1613.8
42.5°	1492.7
45°	1354.4
47.5°	1194.7
50°	1016.4
52.5°	838.2
55°	667.9
57.5°	522.8
60°	395.1
62.5°	286.0
65°	195.6
67.5°	119.7
70°	62.5
72.5°	23.9
75°	10.6
77.5°	10.6
80°	9.3
82.5°	8.0
85°	8.0
87.5°	6.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)