

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: P840411

Luminaire Tested: **LDS4C60D010 EU4609030 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: P840411  
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 EU4609030 4LBPSSQMMS  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBPSSQ TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

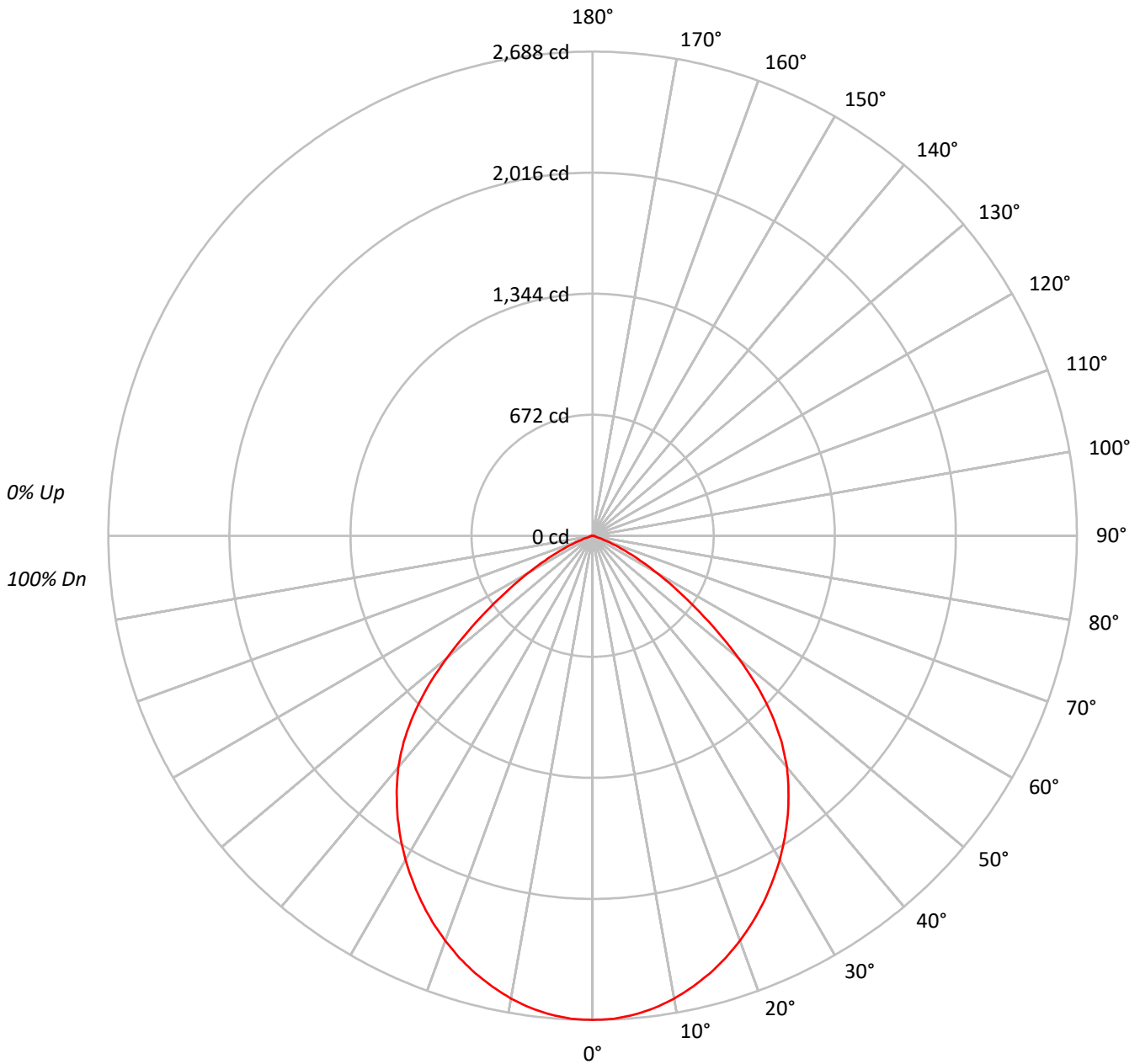
Lumens per Lamp: N/A  
Luminaire Lumens: 5119.0 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

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				
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°	259352
5°	258464
10°	255623
15°	251230
20°	245603
25°	239032
30°	231500
35°	222590
40°	211356
45°	192171
50°	158651
55°	116831
60°	79295
65°	46439
70°	18337
75°	4138
80°	5390
85°	9189



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.8	4.9
10°-20°	708.2	13.8
20°-30°	1033.0	20.2
30°-40°	1179.1	23.0
40°-50°	1071.9	20.9
50°-60°	632.2	12.4
60°-70°	212.0	4.1
70°-80°	22.2	0.4
80°-90°	7.7	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°	1994.0	39.0
0°-40°	3173.0	62.0
0°-60°	4877.1	95.3
0°-90°	5119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5119.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2688	
5°	2668	253
15°	2515	708
25°	2245	1033
35°	1890	1179
45°	1408	1072
55°	694	632
65°	203	212
75°	11	22
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2687.9
2.5°	2683.7
5°	2668.5
7.5°	2643.6
10°	2609.0
12.5°	2564.8
15°	2515.0
17.5°	2456.9
20°	2391.9
22.5°	2321.3
25°	2245.2
27.5°	2162.2
30°	2077.8
32.5°	1985.1
35°	1889.7
37.5°	1785.9
40°	1678.0
42.5°	1552.1
45°	1408.3
47.5°	1242.3
50°	1056.9
52.5°	871.5
55°	694.5
57.5°	543.7
60°	410.9
62.5°	297.4
65°	203.4
67.5°	124.5
70°	65.0
72.5°	24.9
75°	11.1
77.5°	11.1
80°	9.7
82.5°	8.3
85°	8.3
87.5°	6.9
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)