

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: P840413

Luminaire Tested: **LDS4C60D010 EU4609035 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: P840413  
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 EU4609035 4LBPSSQMMS  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBPSSQ TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

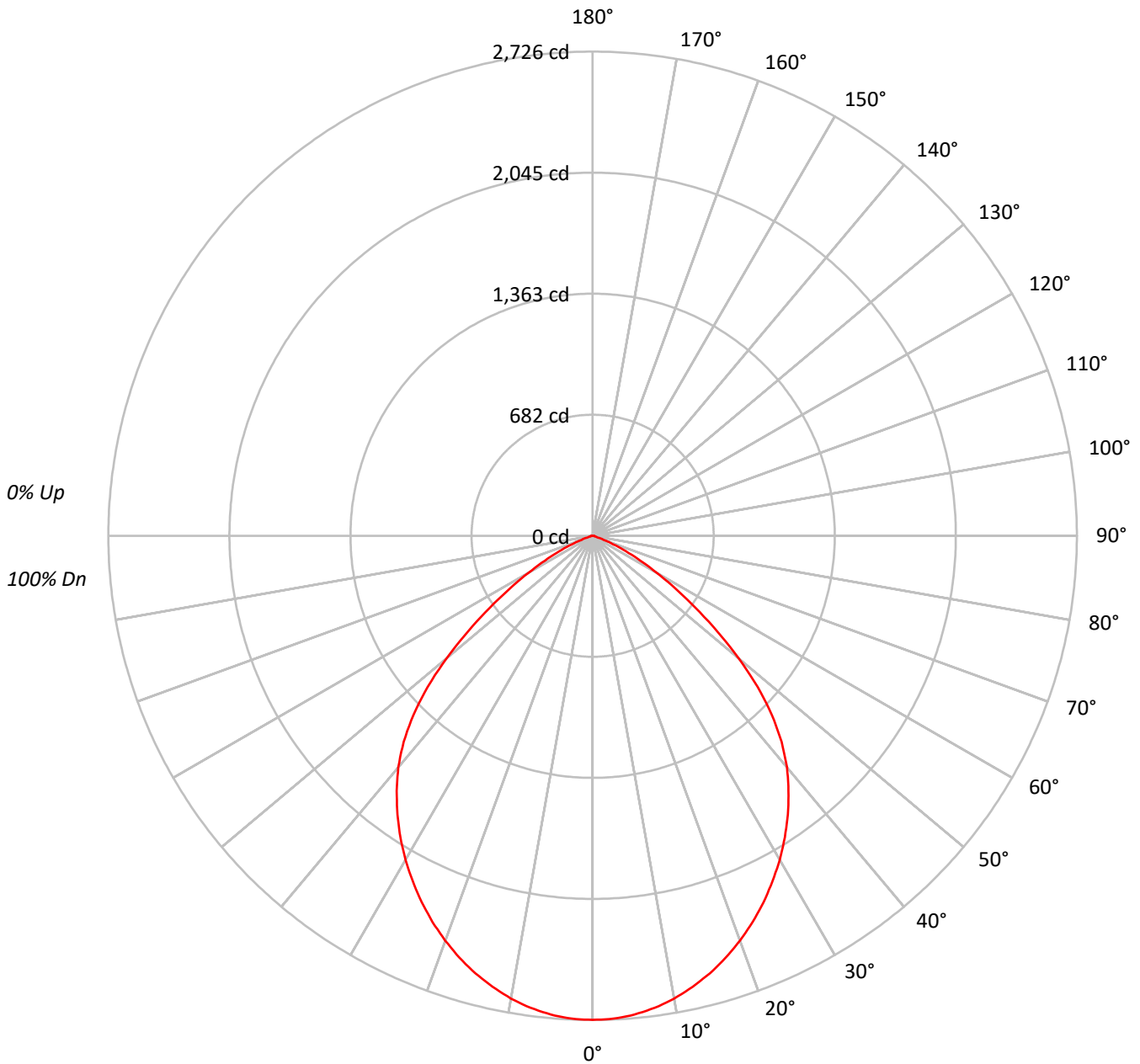
Lumens per Lamp: N/A  
Luminaire Lumens: 5191.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

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

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

	0°
0°	263000
5°	262106
10°	259219
15°	254756
20°	249054
25°	242397
30°	234764
35°	225723
40°	214329
45°	194873
50°	160888
55°	118463
60°	80395
65°	47078
70°	18591
75°	4175
80°	5445
85°	9300



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.4	4.9
10°-20°	718.1	13.8
20°-30°	1047.5	20.2
30°-40°	1195.7	23.0
40°-50°	1087.0	20.9
50°-60°	641.1	12.3
60°-70°	215.0	4.1
70°-80°	22.4	0.4
80°-90°	7.8	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°	2022.0	39.0
0°-40°	3217.7	62.0
0°-60°	4945.7	95.3
0°-90°	5191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5191.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2726	
5°	2706	256
15°	2550	718
25°	2277	1047
35°	1916	1196
45°	1428	1087
55°	704	641
65°	206	215
75°	11	22
85°	8	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2725.7
2.5°	2721.5
5°	2706.1
7.5°	2680.8
10°	2645.7
12.5°	2600.8
15°	2550.3
17.5°	2491.4
20°	2425.5
22.5°	2353.9
25°	2276.8
27.5°	2192.6
30°	2107.1
32.5°	2013.1
35°	1916.3
37.5°	1811.1
40°	1701.6
42.5°	1574.0
45°	1428.1
47.5°	1259.7
50°	1071.8
52.5°	883.8
55°	704.2
57.5°	551.3
60°	416.6
62.5°	301.6
65°	206.2
67.5°	126.3
70°	65.9
72.5°	25.3
75°	11.2
77.5°	11.2
80°	9.8
82.5°	8.4
85°	8.4
87.5°	7.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)