

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: P#

Luminaire Tested: **LD4C60D010 EX4C609027 4LCSQWH**

Issue Date: 2/18/2022

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: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C60D010 EX4C609027 4LCSQWH  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

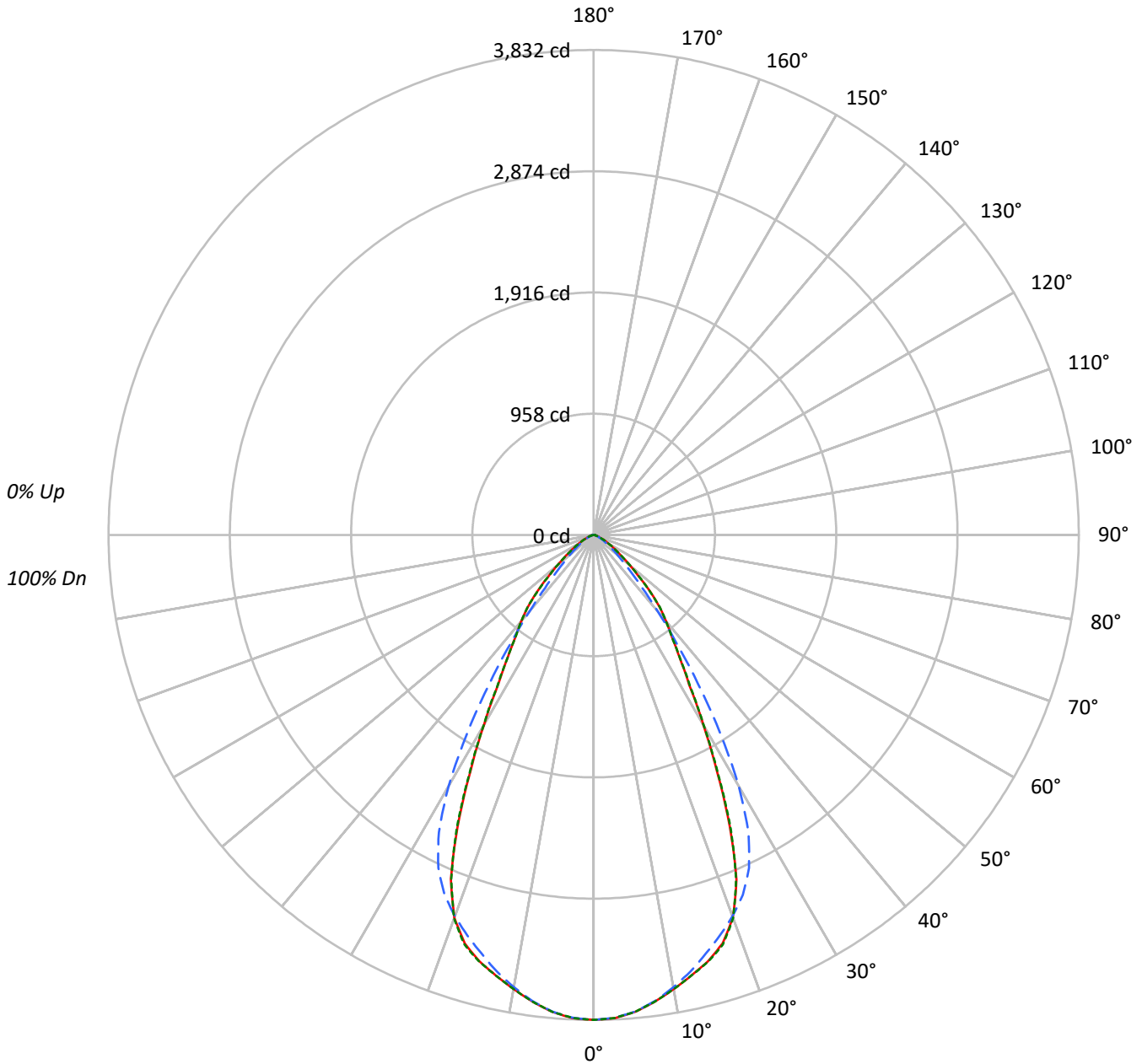
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4056.0 lumens  
Efficiency: N/A  
Efficacy: 56.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94  
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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CATALOG NUMBER: LD4C60D010 EX4C609027 4LCSQWH

### 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				100															
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				92															
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84															
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77				77															
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71				71															
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66				66															
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61				61															
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56				56															
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

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

	0°	45°	90°
0°	369765	369765	369765
5°	366373	366141	366257
10°	356990	355570	356990
15°	348396	342122	348765
20°	330326	329083	330952
25°	270961	309171	272377
30°	193217	255421	193485
35°	139359	169254	139783
40°	111724	98335	111724
45°	85258	57393	84603
50°	56231	36642	56051
55°	37817	24594	37413
60°	25415	16789	25647
65°	17375	11872	17101
70°	11595	8520	11595
75°	7642	6300	7642
80°	5390	4723	5390
85°	3986	3986	3986



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	356.2	8.8
10°-20°	971.4	23.9
20°-30°	1214.3	29.9
30°-40°	816.9	20.1
40°-50°	431.3	10.6
50°-60°	175.3	4.3
60°-70°	65.0	1.6
70°-80°	21.0	0.5
80°-90°	4.5	0.1
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°	2541.9	62.7
0°-40°	3358.8	82.8
0°-60°	3965.5	97.8
0°-90°	4056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4056.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3832	3832	3832	3832	3832	
5°	3783	3779	3780	3780	3781	357
15°	3488	3459	3425	3458	3491	977
25°	2545	2688	2904	2692	2558	1146
35°	1183	1242	1437	1245	1187	761
45°	625	593	421	591	620	479
55°	225	188	146	188	222	208
65°	76	62	52	62	75	78
75°	20	18	17	18	20	24
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3832.2	3832.2	3832.2	3832.2	3832.2
2.5°	3822.5	3820.1	3818.9	3818.9	3820.1
5°	3782.6	3779.0	3780.2	3780.2	3781.4
7.5°	3718.6	3717.3	3713.7	3718.6	3718.6
10°	3643.6	3637.6	3629.1	3638.8	3643.6
12.5°	3566.3	3548.2	3533.7	3548.2	3566.3
15°	3487.7	3458.7	3424.9	3457.5	3491.4
17.5°	3385.0	3356.0	3318.5	3362.1	3394.7
20°	3217.0	3219.4	3204.9	3217.0	3223.1
22.5°	2947.5	3001.9	3078.1	3003.1	2939.1
25°	2545.1	2687.7	2904.0	2692.5	2558.4
27.5°	2113.7	2294.9	2649.0	2305.8	2127.0
30°	1734.2	1894.9	2292.5	1905.8	1736.6
32.5°	1404.3	1523.9	1863.5	1538.4	1420.0
35°	1183.1	1242.3	1436.9	1244.8	1186.7
37.5°	1013.9	1013.9	1067.1	1018.8	1009.1
40°	887.0	848.4	780.7	847.2	887.0
42.5°	768.6	710.6	566.8	708.2	771.0
45°	624.8	593.4	420.6	591.0	620.0
47.5°	479.8	458.0	316.6	455.6	483.4
50°	374.6	340.8	244.1	338.4	373.4
52.5°	287.6	251.4	188.5	251.4	285.2
55°	224.8	188.5	146.2	188.5	222.4
57.5°	172.8	143.8	111.2	141.4	171.6
60°	131.7	107.6	87.0	107.6	132.9
62.5°	100.3	82.2	66.5	81.0	99.1
65°	76.1	61.6	52.0	61.6	74.9
67.5°	55.6	45.9	39.9	45.9	56.8
70°	41.1	35.0	30.2	33.8	41.1
72.5°	30.2	25.4	23.0	25.4	30.2
75°	20.5	18.1	16.9	18.1	20.5
77.5°	14.5	13.3	12.1	13.3	14.5
80°	9.7	8.5	8.5	9.7	9.7
82.5°	6.0	6.0	6.0	6.0	6.0
85°	3.6	3.6	3.6	3.6	3.6
87.5°	2.4	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)