

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 EX4C609050 4LCSQWLI**

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 (G1-2105-247-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C60D010 EX4C609050 4LCSQWLI  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

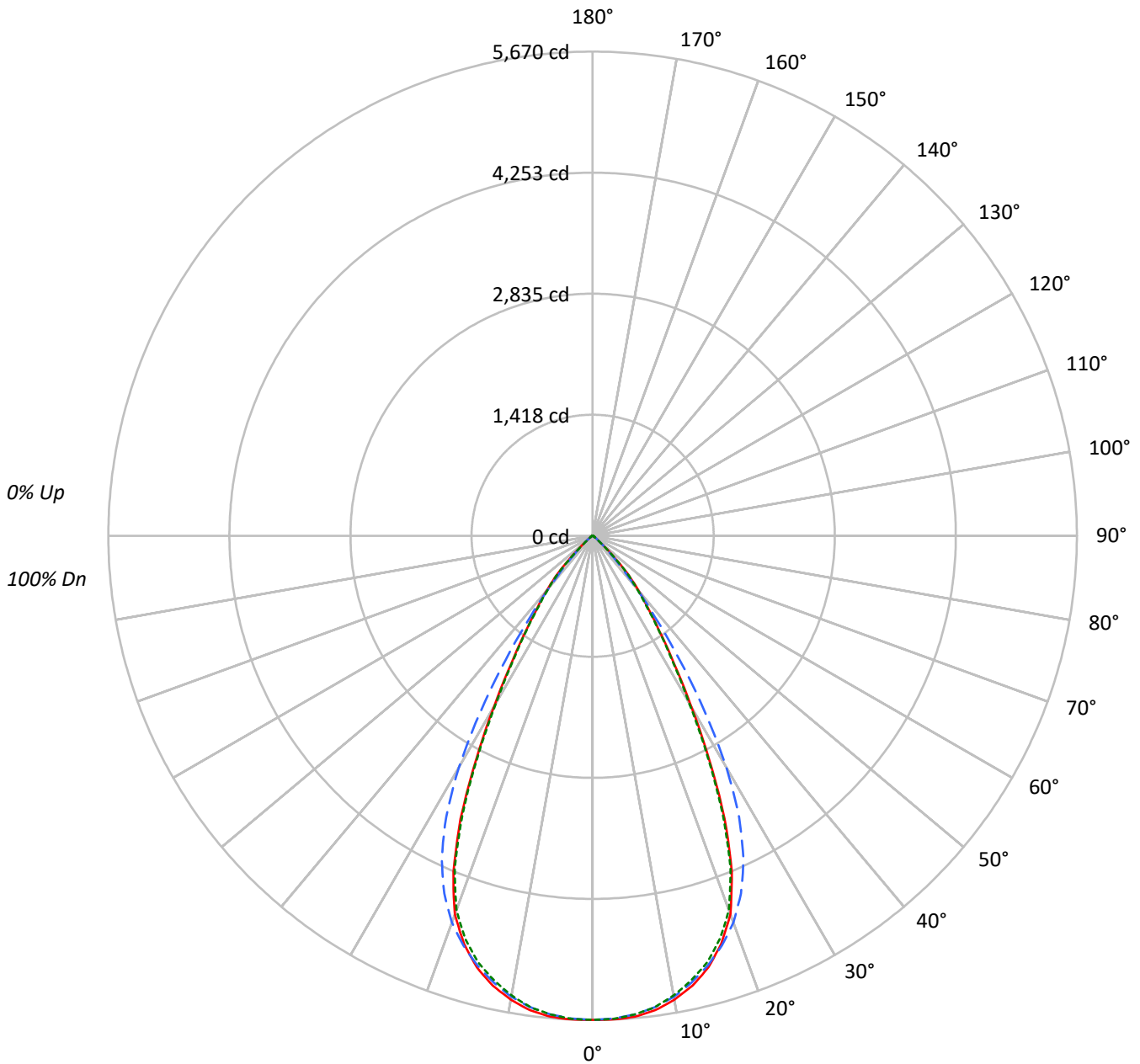
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5075.0 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.9  
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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87																			
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81																			
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71																			
6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66																			
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62																			
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58																			
9	76	66	61	57	75	66	60	57	65	60	56	64	60	56	63	59	56	55																			
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	52																			

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

	0°	45°	90°
0°	546986	546986	546986
5°	547555	545036	545036
10°	540365	537171	535515
15°	522828	520361	516845
20°	484204	494770	478854
25°	389317	445061	384185
30°	256969	348954	250875
35°	160608	209539	157699
40°	104822	97113	100715
45°	50475	38740	47623
50°	12699	15446	11919
55°	7015	6359	6796
60°	4767	4014	4516
65°	3265	2968	3265
70°	2567	2200	2567
75°	1939	1939	1939
80°	1445	2167	2167
85°	1439	2878	2878



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	533.1	10.5
10°-20°	1455.9	28.7
20°-30°	1735.0	34.2
30°-40°	982.5	19.4
40°-50°	303.7	6.0
50°-60°	42.2	0.8
60°-70°	14.4	0.3
70°-80°	5.7	0.1
80°-90°	2.4	0.0
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°	3724.1	73.4
0°-40°	4706.5	92.7
0°-60°	5052.5	99.6
0°-90°	5075.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5075.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5669	5669	5669	5669	5669	
5°	5653	5640	5627	5623	5627	535
15°	5234	5225	5209	5188	5174	1459
25°	3657	3870	4180	3877	3609	1630
35°	1364	1487	1779	1491	1339	887
45°	370	431	284	419	349	305
55°	42	42	38	40	40	41
65°	14	14	13	14	14	15
75°	5	5	5	5	5	6
85°	1	3	3	3	3	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5668.9	5668.9	5668.9	5668.9	5668.9
2.5°	5670.2	5661.1	5658.5	5655.8	5661.1
5°	5653.2	5640.2	5627.2	5623.3	5627.2
7.5°	5605.1	5592.0	5569.9	5564.7	5568.6
10°	5515.2	5503.5	5482.6	5470.9	5465.7
12.5°	5396.7	5377.2	5357.6	5344.6	5331.6
15°	5233.9	5224.8	5209.2	5188.3	5174.0
17.5°	5008.6	5021.6	5030.7	4989.1	4951.3
20°	4715.6	4763.8	4818.5	4733.8	4663.5
22.5°	4258.5	4396.5	4535.9	4375.7	4219.4
25°	3656.8	3870.4	4180.4	3876.9	3608.6
27.5°	2954.9	3225.8	3714.1	3227.1	2915.8
30°	2306.4	2585.0	3132.0	2548.6	2251.7
32.5°	1771.1	1979.5	2447.0	1948.2	1733.3
35°	1363.5	1487.2	1778.9	1491.1	1338.8
37.5°	1060.1	1122.6	1196.8	1100.4	1028.8
40°	832.2	834.8	771.0	821.7	799.6
42.5°	617.3	614.7	474.0	599.1	603.0
45°	369.9	431.1	283.9	419.3	349.0
47.5°	175.8	243.5	170.6	230.5	162.8
50°	84.6	117.2	102.9	109.4	79.4
52.5°	57.3	59.9	58.6	57.3	54.7
55°	41.7	41.7	37.8	40.4	40.4
57.5°	31.3	31.3	27.3	30.0	30.0
60°	24.7	23.4	20.8	23.4	23.4
62.5°	18.2	18.2	15.6	18.2	18.2
65°	14.3	14.3	13.0	14.3	14.3
67.5°	11.7	11.7	9.1	11.7	10.4
70°	9.1	9.1	7.8	9.1	9.1
72.5°	6.5	6.5	6.5	6.5	6.5
75°	5.2	5.2	5.2	5.2	5.2
77.5°	3.9	3.9	3.9	3.9	3.9
80°	2.6	2.6	3.9	3.9	3.9
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	2.6	2.6	2.6	2.6
87.5°	1.3	1.3	2.6	2.6	2.6
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)