

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 EX4C609030 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 EX4C609030 4LCSQWLI  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

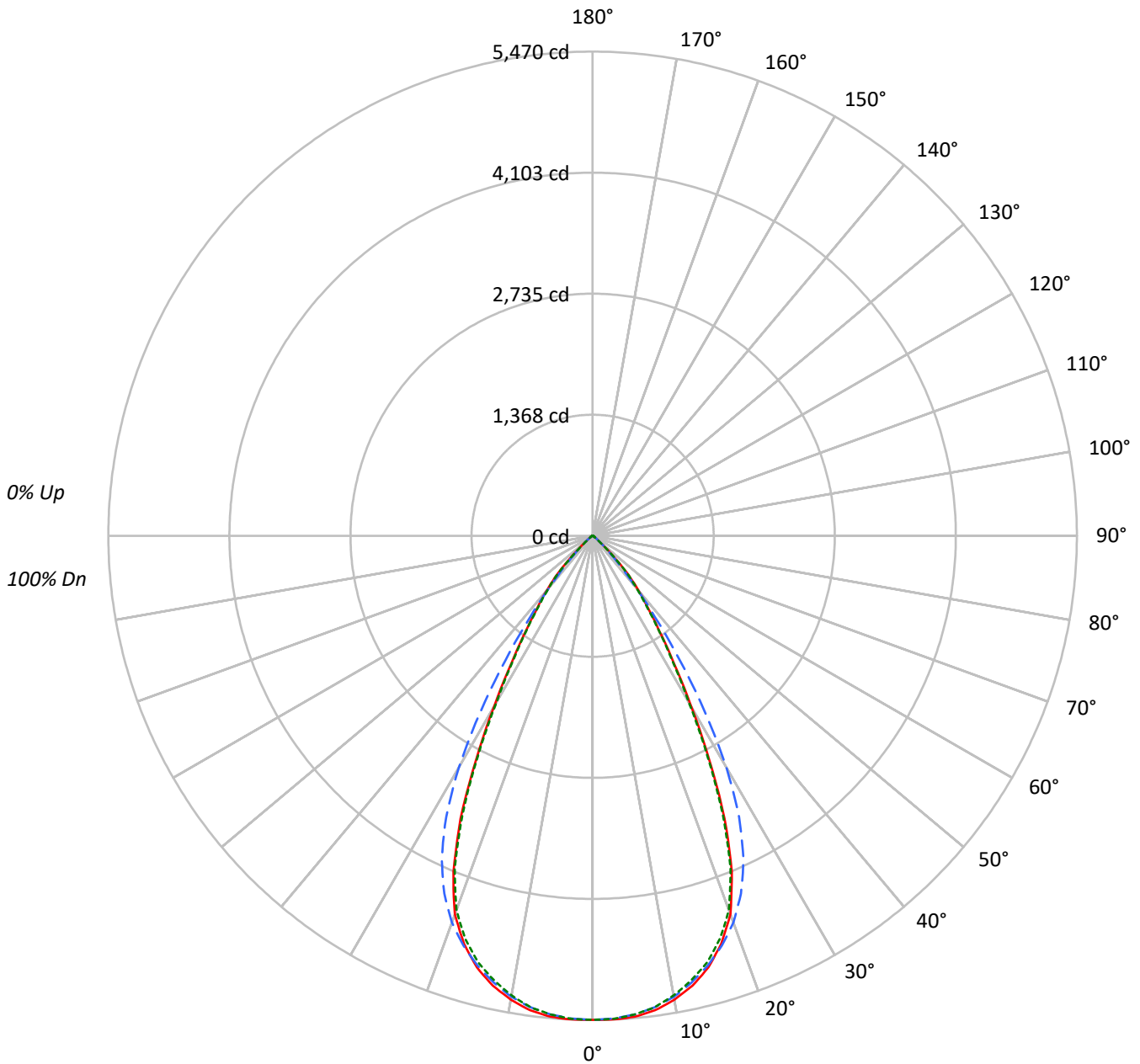
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4896.0 lumens  
Efficiency: N/A  
Efficacy: 68.0 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 (Ain): 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°	527688	527688	527688
5°	528241	525810	525810
10°	521308	518232	516625
15°	504388	502001	498614
20°	467128	477314	461963
25°	375593	429358	370643
30°	247900	336643	242017
35°	154943	202153	152127
40°	101119	93687	97163
45°	48687	37375	45945
50°	12264	14906	11498
55°	6763	6123	6544
60°	4612	3879	4361
65°	3151	2877	3151
70°	2483	2116	2483
75°	1864	1864	1864
80°	1389	2111	2111
85°	1439	2768	2768



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	514.3	10.5
10°-20°	1404.5	28.7
20°-30°	1673.8	34.2
30°-40°	947.8	19.4
40°-50°	293.0	6.0
50°-60°	40.7	0.8
60°-70°	13.9	0.3
70°-80°	5.5	0.1
80°-90°	2.3	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°	3592.7	73.4
0°-40°	4540.5	92.7
0°-60°	4874.3	99.6
0°-90°	4896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4896.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5469	5469	5469	5469	5469	
5°	5454	5441	5429	5425	5429	516
15°	5049	5040	5025	5005	4992	1408
25°	3528	3734	4033	3740	3481	1573
35°	1315	1435	1716	1438	1292	856
45°	357	416	274	404	337	295
55°	40	40	36	39	39	40
65°	14	14	13	14	14	15
75°	5	5	5	5	5	5
85°	1	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5468.9	5468.9	5468.9	5468.9	5468.9
2.5°	5470.2	5461.4	5458.9	5456.4	5461.4
5°	5453.8	5441.3	5428.7	5424.9	5428.7
7.5°	5407.4	5394.8	5373.4	5368.4	5372.2
10°	5320.7	5309.4	5289.3	5278.0	5272.9
12.5°	5206.3	5187.5	5168.7	5156.1	5143.5
15°	5049.3	5040.5	5025.4	5005.3	4991.5
17.5°	4831.9	4844.5	4853.3	4813.1	4776.7
20°	4549.3	4595.8	4648.5	4566.9	4499.0
22.5°	4108.3	4241.5	4375.9	4221.4	4070.6
25°	3527.9	3733.9	4032.9	3740.2	3481.4
27.5°	2850.7	3112.0	3583.1	3113.3	2813.0
30°	2225.0	2493.9	3021.5	2458.7	2172.2
32.5°	1708.6	1909.7	2360.7	1879.5	1672.2
35°	1315.4	1434.8	1716.2	1438.5	1291.5
37.5°	1022.7	1083.0	1154.6	1061.6	992.5
40°	802.8	805.3	743.8	792.8	771.4
42.5°	595.5	593.0	457.3	577.9	581.7
45°	356.8	415.9	273.9	404.5	336.7
47.5°	169.6	234.9	164.6	222.4	157.0
50°	81.7	113.1	99.3	105.5	76.6
52.5°	55.3	57.8	56.5	55.3	52.8
55°	40.2	40.2	36.4	38.9	38.9
57.5°	30.2	30.2	26.4	28.9	28.9
60°	23.9	22.6	20.1	22.6	22.6
62.5°	17.6	17.6	15.1	17.6	17.6
65°	13.8	13.8	12.6	13.8	13.8
67.5°	11.3	11.3	8.8	11.3	10.1
70°	8.8	8.8	7.5	8.8	8.8
72.5°	6.3	6.3	6.3	6.3	6.3
75°	5.0	5.0	5.0	5.0	5.0
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.5	2.5	3.8	3.8	3.8
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.3	2.5	2.5	2.5	2.5
87.5°	1.3	1.3	2.5	2.5	2.5
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)