

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 EX4C609035 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 EX4C609035 4LCSQWLI  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

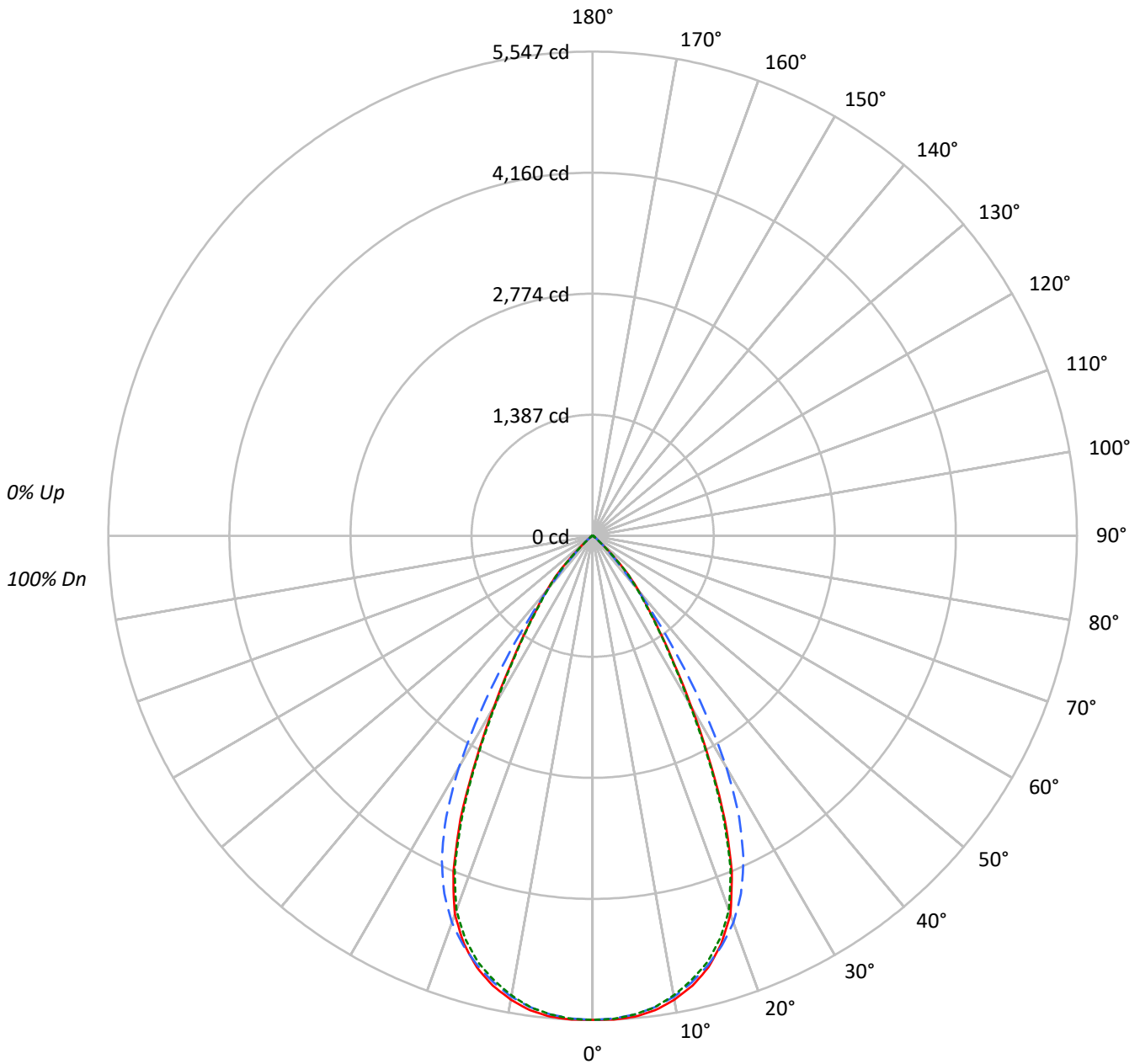
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4964.9 lumens  
Efficiency: N/A  
Efficacy: 69.0 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 (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°	535127	535127	535127
5°	535690	533220	533220
10°	528657	525531	523905
15°	511500	509083	505647
20°	473710	484040	468473
25°	380885	435405	375859
30°	251399	341389	245438
35°	157122	205004	154271
40°	102542	94997	98536
45°	49370	37894	46586
50°	12429	15116	11664
55°	6864	6207	6645
60°	4670	3937	4419
65°	3196	2900	3196
70°	2511	2144	2511
75°	1901	1901	1901
80°	1389	2111	2111
85°	1439	2768	2768



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	521.6	10.5
10°-20°	1424.3	28.7
20°-30°	1697.4	34.2
30°-40°	961.2	19.4
40°-50°	297.1	6.0
50°-60°	41.3	0.8
60°-70°	14.1	0.3
70°-80°	5.6	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°	3643.3	73.4
0°-40°	4604.5	92.7
0°-60°	4943.0	99.6
0°-90°	4964.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4964.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5546	5546	5546	5546	5546	
5°	5531	5518	5505	5501	5505	524
15°	5120	5112	5096	5076	5062	1428
25°	3578	3786	4090	3793	3530	1595
35°	1334	1455	1740	1459	1310	868
45°	362	422	278	410	341	299
55°	41	41	37	40	40	40
65°	14	14	13	14	14	15
75°	5	5	5	5	5	6
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°	5546.0	5546.0	5546.0	5546.0	5546.0
2.5°	5547.3	5538.4	5535.8	5533.3	5538.4
5°	5530.7	5518.0	5505.2	5501.4	5505.2
7.5°	5483.6	5470.8	5449.2	5444.1	5447.9
10°	5395.7	5384.2	5363.8	5352.3	5347.2
12.5°	5279.7	5260.6	5241.5	5228.8	5216.0
15°	5120.5	5111.5	5096.3	5075.9	5061.9
17.5°	4900.0	4912.8	4921.7	4880.9	4844.0
20°	4613.4	4660.5	4714.0	4631.2	4562.4
22.5°	4166.2	4301.2	4437.6	4280.9	4128.0
25°	3577.6	3786.5	4089.7	3792.9	3530.4
27.5°	2890.8	3155.9	3633.6	3157.1	2852.6
30°	2256.4	2529.0	3064.1	2493.3	2202.9
32.5°	1732.7	1936.6	2394.0	1906.0	1695.8
35°	1333.9	1455.0	1740.4	1458.8	1309.7
37.5°	1037.1	1098.2	1170.9	1076.6	1006.5
40°	814.1	816.7	754.2	803.9	782.3
42.5°	603.9	601.4	463.8	586.1	589.9
45°	361.8	421.7	277.7	410.2	341.4
47.5°	172.0	238.2	166.9	225.5	159.3
50°	82.8	114.7	100.7	107.0	77.7
52.5°	56.1	58.6	57.3	56.1	53.5
55°	40.8	40.8	36.9	39.5	39.5
57.5°	30.6	30.6	26.8	29.3	29.3
60°	24.2	22.9	20.4	22.9	22.9
62.5°	17.8	17.8	15.3	17.8	17.8
65°	14.0	14.0	12.7	14.0	14.0
67.5°	11.5	11.5	8.9	11.5	10.2
70°	8.9	8.9	7.6	8.9	8.9
72.5°	6.4	6.4	6.4	6.4	6.4
75°	5.1	5.1	5.1	5.1	5.1
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)