

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 EX4C609040 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 EX4C609040 4LCSQWLI
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

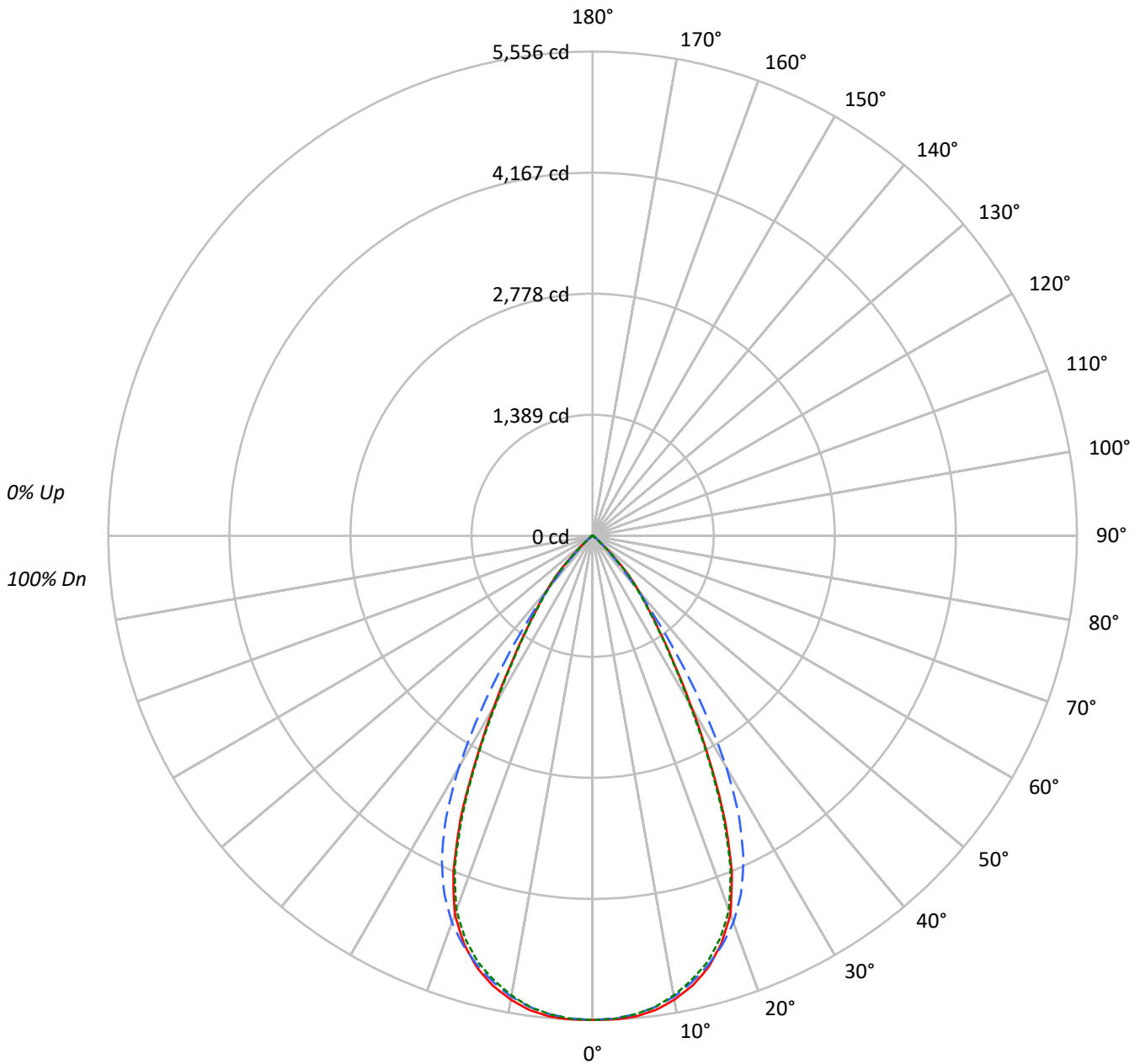
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4973.0 lumens
Efficiency: N/A
Efficacy: 69.1 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

TEST NUMBER: P#
CATALOG NUMBER: LD4C60D010 EX4C609040 4LCSQWLI

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°	535986	535986	535986
5°	536552	534082	534082
10°	529509	526374	524757
15°	512319	509902	506456
20°	474470	484820	469233
25°	381491	436107	376466
30°	251800	341946	245828
35°	157381	205334	154518
40°	102706	95161	98688
45°	49452	37962	46668
50°	12444	15131	11679
55°	6864	6224	6662
60°	4670	3937	4438
65°	3196	2922	3196
70°	2511	2172	2511
75°	1901	1901	1901
80°	1445	2111	2111
85°	1439	2878	2878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.4	10.5
10°-20°	1426.6	28.7
20°-30°	1700.2	34.2
30°-40°	962.7	19.4
40°-50°	297.6	6.0
50°-60°	41.4	0.8
60°-70°	14.1	0.3
70°-80°	5.6	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°	3649.2	73.4
0°-40°	4611.9	92.7
0°-60°	4950.9	99.6
0°-90°	4973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5555	5555	5555	5555	5555	
5°	5540	5527	5514	5510	5514	525
15°	5129	5120	5104	5084	5070	1430
25°	3583	3793	4096	3799	3536	1598
35°	1336	1457	1743	1461	1312	870
45°	362	422	278	411	342	299
55°	41	41	37	40	40	40
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°	5554.9	5554.9	5554.9	5554.9	5554.9
2.5°	5556.2	5547.3	5544.7	5542.2	5547.3
5°	5539.6	5526.9	5514.1	5510.3	5514.1
7.5°	5492.4	5479.6	5457.9	5452.8	5456.7
10°	5404.4	5392.9	5372.4	5361.0	5355.9
12.5°	5288.2	5269.1	5249.9	5237.2	5224.4
15°	5128.7	5119.8	5104.5	5084.0	5070.0
17.5°	4907.9	4920.7	4929.6	4888.8	4851.8
20°	4620.8	4668.0	4721.6	4638.7	4569.8
22.5°	4172.9	4308.2	4444.7	4287.7	4134.6
25°	3583.3	3792.6	4096.3	3799.0	3536.1
27.5°	2895.5	3160.9	3639.5	3162.2	2857.2
30°	2260.0	2533.1	3069.1	2497.4	2206.4
32.5°	1735.5	1939.7	2397.8	1909.1	1698.5
35°	1336.1	1457.3	1743.2	1461.2	1311.8
37.5°	1038.8	1100.0	1172.8	1078.3	1008.1
40°	815.4	818.0	755.5	805.2	783.5
42.5°	604.9	602.3	464.5	587.0	590.8
45°	362.4	422.4	278.2	410.9	342.0
47.5°	172.3	238.6	167.2	225.9	159.5
50°	82.9	114.9	100.8	107.2	77.8
52.5°	56.1	58.7	57.4	56.1	53.6
55°	40.8	40.8	37.0	39.6	39.6
57.5°	30.6	30.6	26.8	29.4	29.4
60°	24.2	23.0	20.4	23.0	23.0
62.5°	17.9	17.9	15.3	17.9	17.9
65°	14.0	14.0	12.8	14.0	14.0
67.5°	11.5	11.5	8.9	11.5	10.2
70°	8.9	8.9	7.7	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°	2.6	2.6	3.8	3.8	3.8
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)