

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

Luminaire Equipment: Sample No. Condition Description

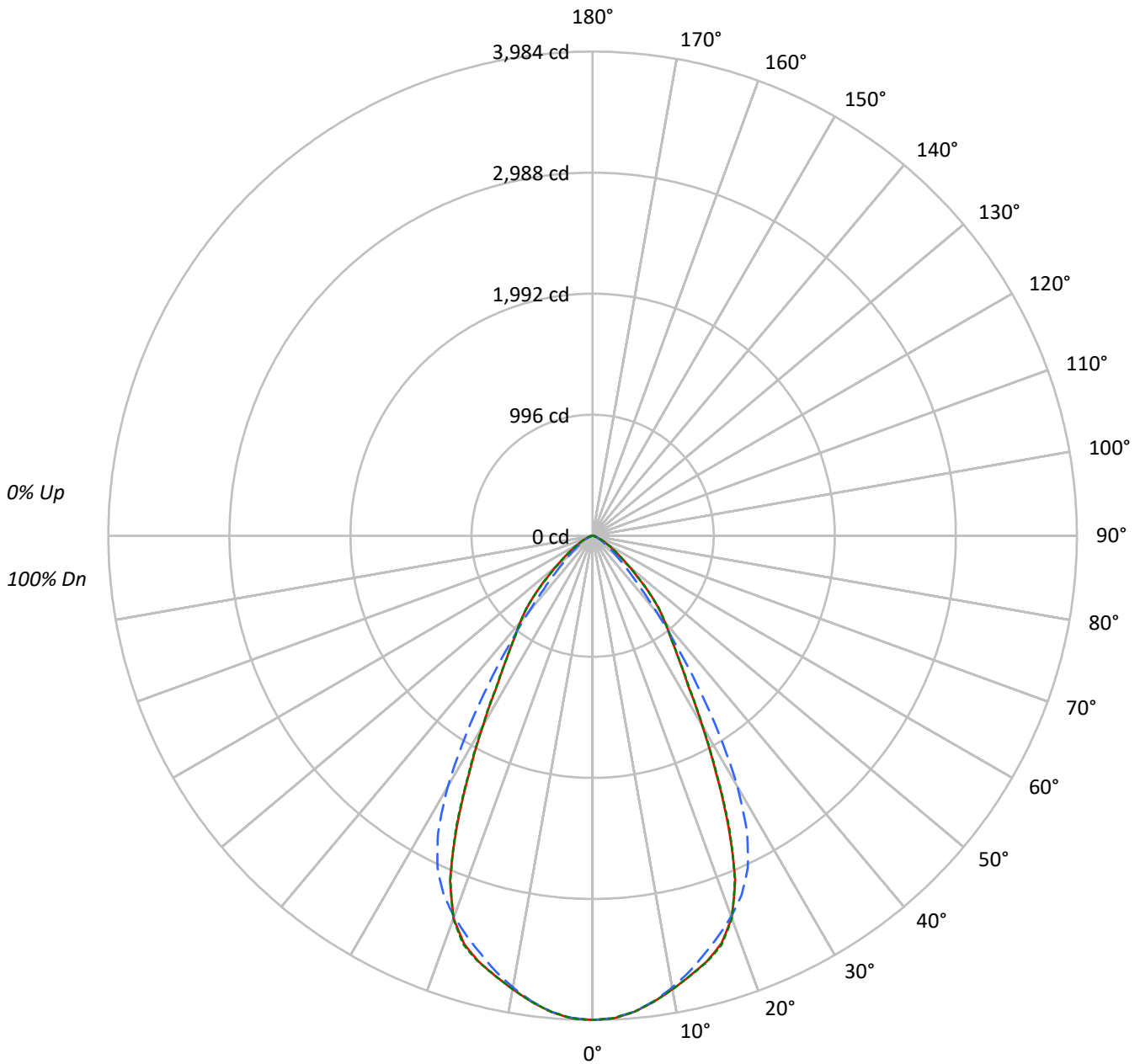
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4217.0 lumens
Efficiency: N/A
Efficacy: 58.6 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 (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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77																			
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71																			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66																			
6	85	75	68	64	83	74	68	63	72	67	63	71	66	63	70	65	62	61																			
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56																			
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	48	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	384441	384441	384441
5°	380921	380669	380795
10°	371168	369688	371168
15°	362231	355698	362600
20°	343438	342155	344085
25°	281714	321446	283193
30°	200883	265560	201161
35°	144895	175968	145343
40°	116170	102240	116170
45°	88642	59672	87959
50°	58468	38098	58273
55°	39314	25570	38893
60°	26438	17464	26670
65°	18082	12329	17786
70°	12046	8858	12046
75°	7978	6561	7978
80°	5612	4890	5612
85°	4207	4207	4207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.4	8.8
10°-20°	1009.9	23.9
20°-30°	1262.5	29.9
30°-40°	849.3	20.1
40°-50°	448.5	10.6
50°-60°	182.3	4.3
60°-70°	67.6	1.6
70°-80°	21.8	0.5
80°-90°	4.7	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°	2642.8	62.7
0°-40°	3492.1	82.8
0°-60°	4122.9	97.8
0°-90°	4217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3984	3984	3984	3984	3984	
5°	3933	3929	3930	3930	3932	371
15°	3626	3596	3561	3595	3630	1016
25°	2646	2794	3019	2799	2660	1191
35°	1230	1292	1494	1294	1234	792
45°	650	617	437	614	645	498
55°	234	196	152	196	231	217
65°	79	64	54	64	78	82
75°	21	19	18	19	21	25
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°	3984.3	3984.3	3984.3	3984.3	3984.3
2.5°	3974.2	3971.7	3970.5	3970.5	3971.7
5°	3932.8	3929.0	3930.2	3930.2	3931.5
7.5°	3866.2	3864.9	3861.1	3866.2	3866.2
10°	3788.3	3782.0	3773.2	3783.2	3788.3
12.5°	3707.8	3689.0	3673.9	3689.0	3707.8
15°	3626.2	3596.0	3560.8	3594.8	3629.9
17.5°	3519.4	3489.2	3450.3	3495.5	3529.4
20°	3344.7	3347.2	3332.2	3344.7	3351.0
22.5°	3064.5	3121.1	3200.2	3122.3	3055.7
25°	2646.1	2794.4	3019.3	2799.4	2660.0
27.5°	2197.6	2386.0	2754.2	2397.3	2211.4
30°	1803.0	1970.1	2383.5	1981.5	1805.5
32.5°	1460.0	1584.4	1937.5	1599.5	1476.4
35°	1230.1	1291.7	1493.9	1294.2	1233.9
37.5°	1054.2	1054.2	1109.5	1059.2	1049.2
40°	922.3	882.0	811.7	880.8	922.3
42.5°	799.1	738.8	589.3	736.3	801.6
45°	649.6	616.9	437.3	614.4	644.6
47.5°	498.8	476.2	329.2	473.7	502.6
50°	389.5	354.3	253.8	351.8	388.2
52.5°	299.0	261.3	196.0	261.3	296.5
55°	233.7	196.0	152.0	196.0	231.2
57.5°	179.7	149.5	115.6	147.0	178.4
60°	137.0	111.8	90.5	111.8	138.2
62.5°	104.3	85.4	69.1	84.2	103.0
65°	79.2	64.1	54.0	64.1	77.9
67.5°	57.8	47.7	41.5	47.7	59.1
70°	42.7	36.4	31.4	35.2	42.7
72.5°	31.4	26.4	23.9	26.4	31.4
75°	21.4	18.8	17.6	18.8	21.4
77.5°	15.1	13.8	12.6	13.8	15.1
80°	10.1	8.8	8.8	10.1	10.1
82.5°	6.3	6.3	6.3	6.3	6.3
85°	3.8	3.8	3.8	3.8	3.8
87.5°	2.5	2.5	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)