

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: **LD4C08D010 EX4C089050 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: LD4C08D010 EX4C089050 4LCSQWH
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

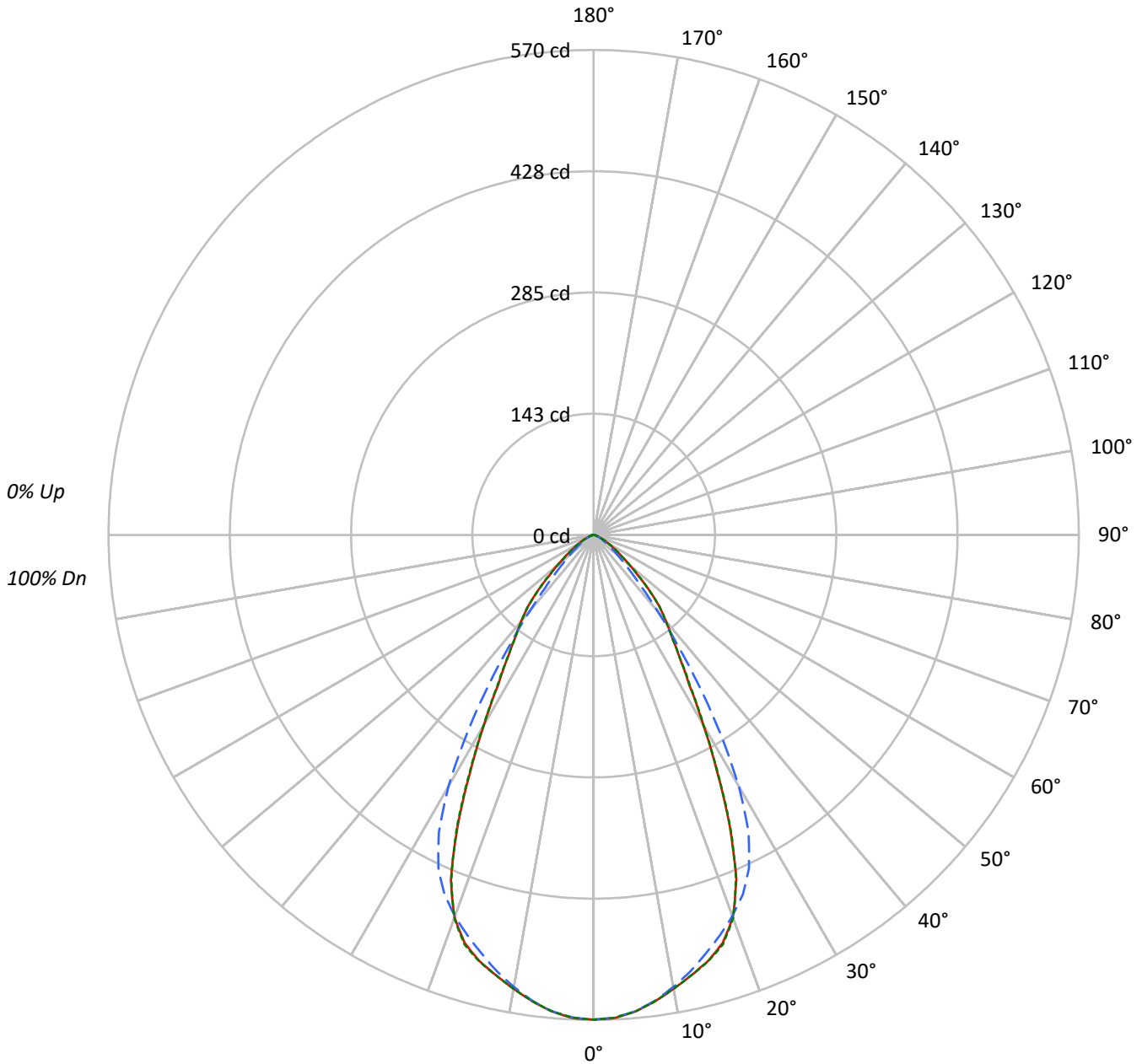
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 603.0 lumens
Efficiency: N/A
Efficacy: 60.9 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): 9.9
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°	54970	54970	54970
5°	54473	54434	54453
10°	53074	52859	53074
15°	51794	50865	51854
20°	49112	48928	49205
25°	40286	45960	40499
30°	28723	37970	28768
35°	20719	25160	20778
40°	16614	14624	16614
45°	12677	8528	12581
50°	8361	5449	8331
55°	5619	3650	5568
60°	3782	2489	3821
65°	2580	1758	2534
70°	1721	1270	1721
75°	1156	932	1156
80°	778	722	778
85°	554	554	554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	8.8
10°-20°	144.4	23.9
20°-30°	180.5	29.9
30°-40°	121.4	20.1
40°-50°	64.1	10.6
50°-60°	26.1	4.3
60°-70°	9.7	1.6
70°-80°	3.1	0.5
80°-90°	0.7	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°	377.9	62.7
0°-40°	499.3	82.8
0°-60°	589.5	97.8
0°-90°	603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	570	570	570	570	570	
5°	562	562	562	562	562	53
15°	518	514	509	514	519	145
25°	378	400	432	400	380	170
35°	176	185	214	185	176	113
45°	93	88	62	88	92	71
55°	33	28	22	28	33	31
65°	11	9	8	9	11	12
75°	3	3	2	3	3	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	569.7	569.7	569.7	569.7	569.7
2.5°	568.3	567.9	567.7	567.7	567.9
5°	562.4	561.8	562.0	562.0	562.2
7.5°	552.8	552.7	552.1	552.8	552.8
10°	541.7	540.8	539.5	541.0	541.7
12.5°	530.2	527.5	525.3	527.5	530.2
15°	518.5	514.2	509.2	514.0	519.1
17.5°	503.2	498.9	493.4	499.8	504.7
20°	478.3	478.6	476.5	478.3	479.2
22.5°	438.2	446.3	457.6	446.5	436.9
25°	378.4	399.6	431.7	400.3	380.4
27.5°	314.2	341.2	393.8	342.8	316.2
30°	257.8	281.7	340.8	283.3	258.2
32.5°	208.8	226.6	277.0	228.7	211.1
35°	175.9	184.7	213.6	185.1	176.4
37.5°	150.7	150.7	158.6	151.5	150.0
40°	131.9	126.1	116.1	125.9	131.9
42.5°	114.3	105.6	84.3	105.3	114.6
45°	92.9	88.2	62.5	87.9	92.2
47.5°	71.3	68.1	47.1	67.7	71.9
50°	55.7	50.7	36.3	50.3	55.5
52.5°	42.8	37.4	28.0	37.4	42.4
55°	33.4	28.0	21.7	28.0	33.1
57.5°	25.7	21.4	16.5	21.0	25.5
60°	19.6	16.0	12.9	16.0	19.8
62.5°	14.9	12.2	9.9	12.0	14.7
65°	11.3	9.2	7.7	9.2	11.1
67.5°	8.3	6.8	5.9	6.8	8.4
70°	6.1	5.2	4.5	5.0	6.1
72.5°	4.5	3.8	3.4	3.8	4.5
75°	3.1	2.7	2.5	2.7	3.1
77.5°	2.2	2.0	1.8	2.0	2.2
80°	1.4	1.3	1.3	1.4	1.4
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.4	0.4	0.4	0.4	0.4
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)