

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

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: -

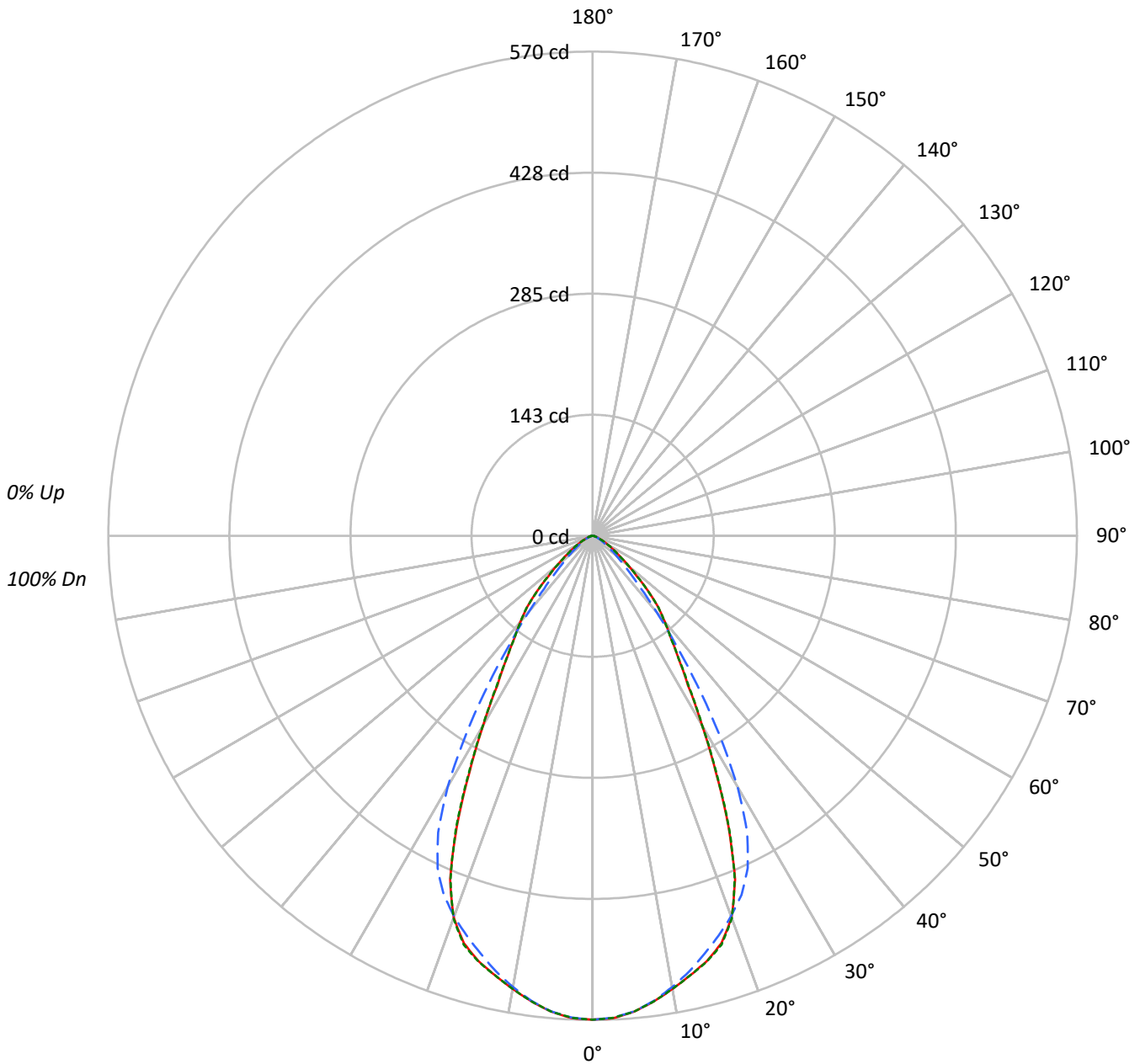
Summary

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 (A_{in}): 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)