

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: **LD4C75D010 EX4C759027 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: LD4C75D010 EX4C759027 4LCSQWH  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

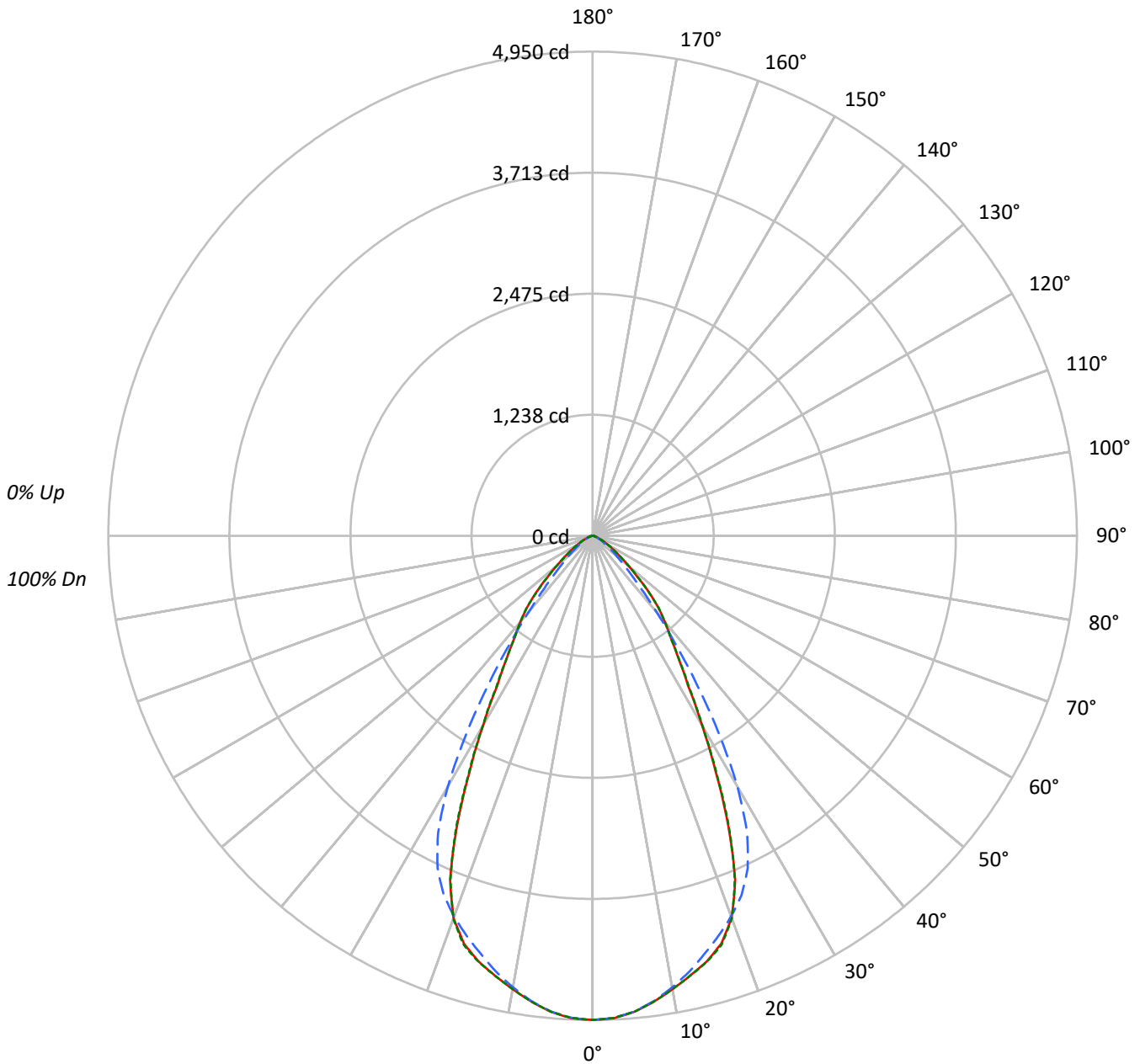
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5239.0 lumens  
Efficiency: N/A  
Efficacy: 64.3 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): 81.5  
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°	477610	477610	477610
5°	473236	472926	473081
10°	461121	459279	461121
15°	450016	441905	450486
20°	426672	425070	427473
25°	349989	399345	351820
30°	249571	329924	249917
35°	180008	218620	180562
40°	144322	127015	144322
45°	110120	74123	109274
50°	72638	47330	72398
55°	48835	31777	48314
60°	32826	21691	33134
65°	22443	15320	22101
70°	14980	11002	14980
75°	9879	8164	9879
80°	6946	6057	6946
85°	5203	5203	5203



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	460.1	8.8
10°-20°	1254.7	23.9
20°-30°	1568.5	29.9
30°-40°	1055.2	20.1
40°-50°	557.1	10.6
50°-60°	226.4	4.3
60°-70°	84.0	1.6
70°-80°	27.1	0.5
80°-90°	5.8	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°	3283.3	62.7
0°-40°	4338.5	82.8
0°-60°	5122.1	97.8
0°-90°	5239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5239.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4950	4950	4950	4950	4950	
5°	4886	4881	4883	4883	4884	460
15°	4505	4468	4424	4466	4510	1262
25°	3287	3472	3751	3478	3305	1480
35°	1528	1605	1856	1608	1533	983
45°	807	766	543	763	801	619
55°	290	244	189	244	287	269
65°	98	80	67	80	97	101
75°	26	23	22	23	26	31
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4949.9	4949.9	4949.9	4949.9	4949.9
2.5°	4937.4	4934.3	4932.7	4932.7	4934.3
5°	4885.9	4881.2	4882.7	4882.7	4884.3
7.5°	4803.1	4801.6	4796.9	4803.1	4803.1
10°	4706.4	4698.6	4687.6	4700.1	4706.4
12.5°	4606.5	4583.0	4564.3	4583.0	4606.5
15°	4505.0	4467.5	4423.8	4466.0	4509.7
17.5°	4372.3	4334.8	4286.5	4342.6	4384.8
20°	4155.3	4158.5	4139.7	4155.3	4163.1
22.5°	3807.2	3877.5	3975.8	3879.0	3796.3
25°	3287.4	3471.6	3751.0	3477.9	3304.6
27.5°	2730.2	2964.3	3421.7	2978.4	2747.3
30°	2240.0	2447.6	2961.2	2461.7	2243.1
32.5°	1813.9	1968.4	2407.0	1987.1	1834.2
35°	1528.2	1604.7	1856.0	1607.8	1532.9
37.5°	1309.7	1309.7	1378.3	1315.9	1303.4
40°	1145.8	1095.8	1008.4	1094.2	1145.8
42.5°	992.8	917.9	732.1	914.7	995.9
45°	807.0	766.4	543.2	763.3	800.8
47.5°	619.7	591.6	409.0	588.5	624.4
50°	483.9	440.2	315.3	437.1	482.3
52.5°	371.5	324.7	243.5	324.7	368.4
55°	290.3	243.5	188.9	243.5	287.2
57.5°	223.2	185.8	143.6	182.6	221.7
60°	170.1	138.9	112.4	138.9	171.7
62.5°	129.6	106.1	85.9	104.6	128.0
65°	98.3	79.6	67.1	79.6	96.8
67.5°	71.8	59.3	51.5	59.3	73.4
70°	53.1	45.3	39.0	43.7	53.1
72.5°	39.0	32.8	29.7	32.8	39.0
75°	26.5	23.4	21.9	23.4	26.5
77.5°	18.7	17.2	15.6	17.2	18.7
80°	12.5	10.9	10.9	12.5	12.5
82.5°	7.8	7.8	7.8	7.8	7.8
85°	4.7	4.7	4.7	4.7	4.7
87.5°	3.1	3.1	3.1	3.1	3.1
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)