

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: P859213

Luminaire Tested: **LD4C60D010 EU4609035 4LBMDSWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P859213  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C60D010 EU4609035 4LBMDSWWH  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

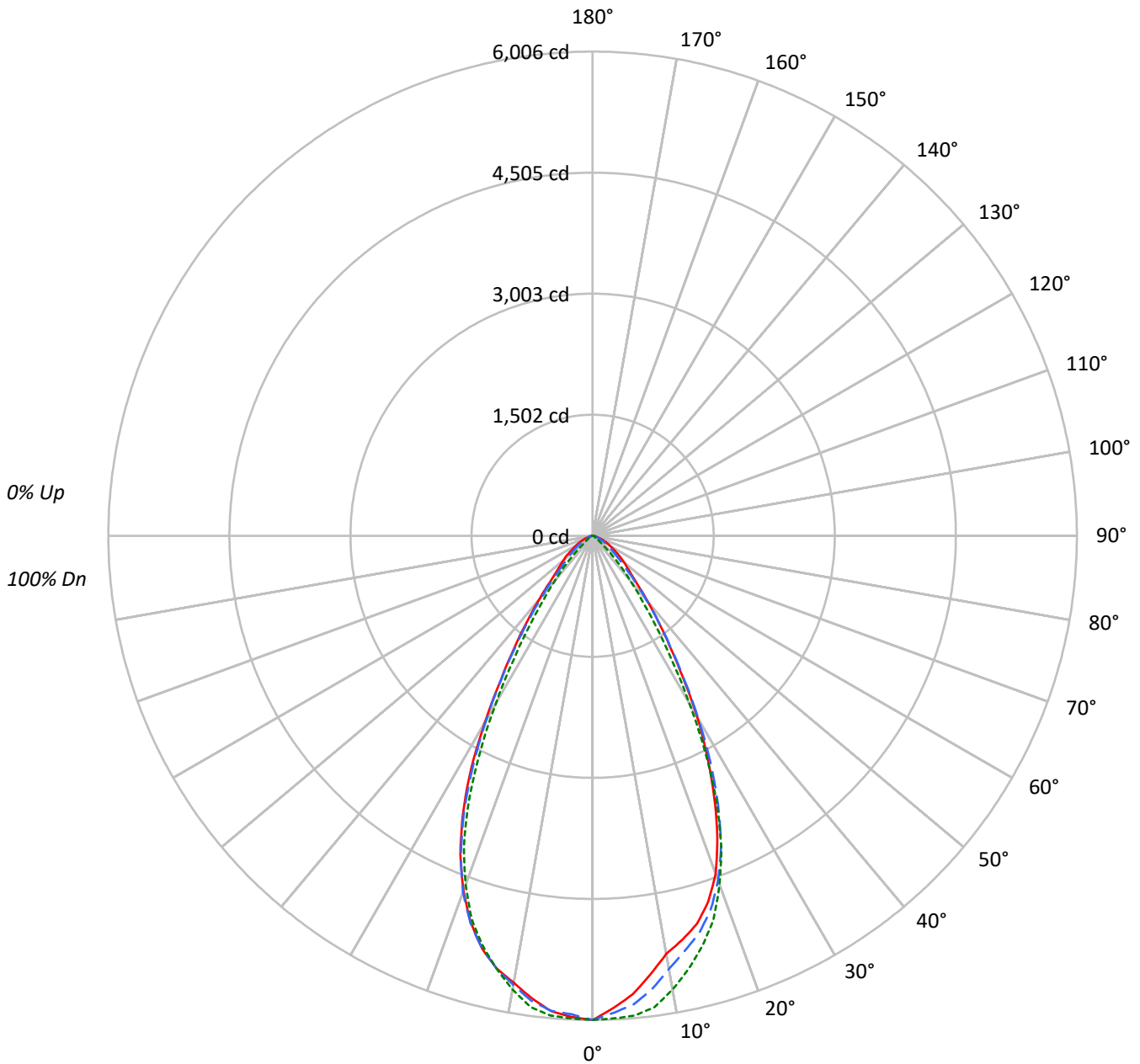
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5468.0 lumens  
Efficiency: N/A  
Efficacy: 75.9 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.85  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P859213

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	86	81	77	84	80	76	82	78	75	80	77	74	72	72	72	72
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67	67	67	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62	62	62	62
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58	58	58	58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	53	49	48	48	48	48

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	737919	737919	737919
5°	704136	736742	729873
10°	656727	712851	702435
15°	634168	669565	674283
20°	583353	601538	612455
25°	483493	492291	516189
30°	367812	340178	378338
35°	249036	203818	251810
40°	169595	116784	164399
45°	117657	58829	111212
50°	95735	23929	89543
55°	77493	14908	70532
60°	61550	11401	55849
65°	48546	9448	43139
70°	36638	8333	33334
75°	26439	6598	24208
80°	19668	6580	16414
85°	13109	6484	13109



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	552.3	10.1
10°-20°	1451.0	26.5
20°-30°	1664.8	30.4
30°-40°	1011.3	18.5
40°-50°	433.4	7.9
50°-60°	207.9	3.8
60°-70°	101.1	1.8
70°-80°	37.5	0.7
80°-90°	8.6	0.2
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°	3668.1	67.1
0°-40°	4679.4	85.6
0°-60°	5320.7	97.3
0°-90°	5468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5468.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	6006	6006	6006	6006	6006	
5°	5710	5835	5974	5914	5918	530
15°	4986	5102	5264	5297	5302	1388
25°	3567	3683	3632	3771	3808	1618
35°	1660	1684	1359	1642	1679	1064
45°	677	603	339	543	640	550
55°	362	269	70	241	329	327
65°	167	111	32	102	148	169
75°	56	37	14	32	51	61
85°	9	9	5	5	9	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5
2.5°	5862.7	5927.7	5923.0	5978.7	5992.6	5978.7	5941.6	5978.7	5974.1
5°	5709.7	5783.9	5834.9	5927.7	5974.1	5964.8	5913.8	5923.0	5918.4
7.5°	5487.0	5579.8	5667.9	5807.1	5895.2	5890.6	5816.4	5802.4	5783.9
10°	5264.4	5352.5	5454.6	5598.4	5714.3	5732.9	5658.7	5640.1	5630.8
12.5°	5134.5	5204.1	5273.7	5398.9	5501.0	5538.1	5496.3	5501.0	5496.3
15°	4986.1	5055.7	5102.1	5194.8	5264.4	5315.4	5296.9	5324.7	5301.5
17.5°	4763.5	4847.0	4865.5	4935.1	4986.1	5018.6	5037.1	5065.0	5027.9
20°	4462.0	4526.9	4550.1	4577.9	4601.1	4642.9	4698.5	4726.4	4684.6
22.5°	4039.9	4165.1	4160.5	4146.6	4169.8	4183.7	4271.8	4318.2	4285.7
25°	3566.8	3696.7	3682.8	3627.1	3631.7	3659.6	3770.9	3831.2	3808.0
27.5°	3070.5	3191.1	3158.6	3052.0	3024.1	3065.9	3209.7	3279.2	3265.3
30°	2592.8	2671.6	2620.6	2430.4	2398.0	2449.0	2634.5	2704.1	2667.0
32.5°	2077.9	2138.2	2115.0	1883.1	1827.5	1878.5	2096.5	2161.4	2119.7
35°	1660.5	1716.1	1683.7	1410.0	1359.0	1414.7	1641.9	1716.1	1679.0
37.5°	1331.2	1372.9	1331.2	1039.0	992.6	1048.2	1266.2	1363.6	1317.3
40°	1057.5	1090.0	1034.3	765.3	728.2	756.0	960.1	1057.5	1025.1
42.5°	834.9	858.1	797.8	561.2	519.5	556.6	723.6	811.7	793.1
45°	677.2	677.2	603.0	389.6	338.6	375.7	542.7	635.4	640.1
47.5°	579.8	565.9	473.1	259.7	194.8	245.8	431.4	528.8	542.7
50°	500.9	482.4	389.6	190.2	125.2	176.3	357.1	454.5	468.5
52.5°	431.4	417.4	324.7	148.4	88.1	134.5	301.5	394.3	408.2
55°	361.8	352.5	269.0	116.0	69.6	102.0	241.2	320.0	329.3
57.5°	296.8	282.9	218.0	97.4	55.7	83.5	199.4	264.4	273.7
60°	250.5	236.6	176.3	78.9	46.4	64.9	162.3	218.0	227.3
62.5°	208.7	194.8	143.8	64.9	37.1	55.7	129.9	176.3	185.5
65°	167.0	157.7	111.3	51.0	32.5	41.7	102.0	139.1	148.4
67.5°	134.5	125.2	88.1	41.7	27.8	32.5	78.9	111.3	120.6
70°	102.0	92.8	64.9	32.5	23.2	27.8	60.3	83.5	92.8
72.5°	74.2	69.6	51.0	27.8	18.6	23.2	41.7	60.3	69.6
75°	55.7	51.0	37.1	18.6	13.9	18.6	32.5	46.4	51.0
77.5°	37.1	37.1	27.8	13.9	13.9	13.9	23.2	32.5	32.5
80°	27.8	23.2	18.6	9.3	9.3	9.3	13.9	23.2	23.2
82.5°	18.6	13.9	13.9	9.3	9.3	9.3	9.3	13.9	13.9
85°	9.3	9.3	9.3	4.6	4.6	4.6	4.6	9.3	9.3
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
90°	0.0	0.0	0.0	0.0	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)