

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: P799341

Luminaire Tested: **LD6C10D010 EU6109050 6LBMDDWH**

Issue Date: 4/12/2024

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: P799341  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C10D010 EU6109050 6LBMDDWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

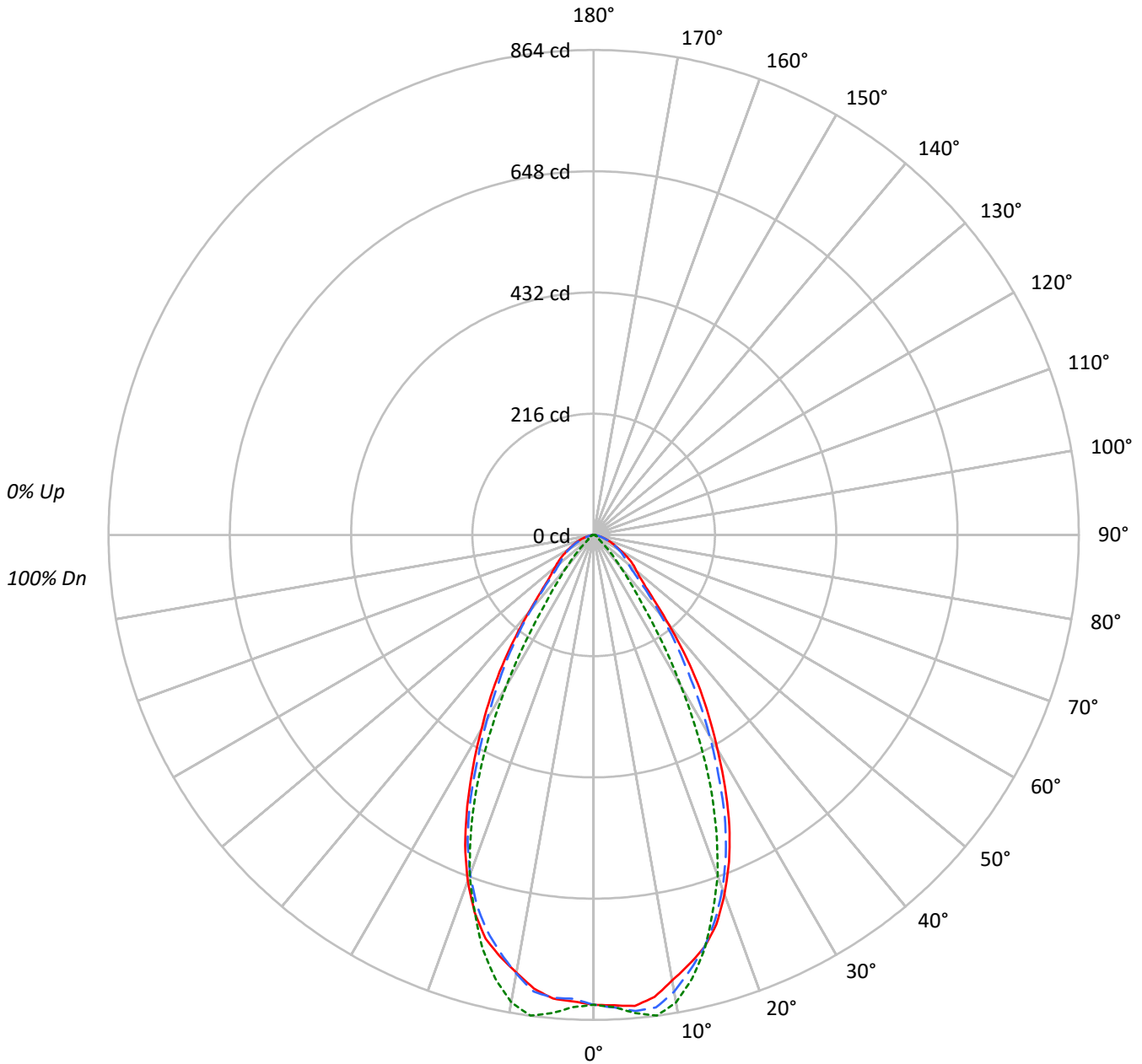
Lumens per Lamp: N/A  
Luminaire Lumens: 852.0 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
Input Voltage (V): NR  
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

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

	0°	90°	180°
0°	45879	45879	45879
5°	46357	47061	45631
10°	44856	47060	44076
15°	43173	43343	42253
20°	39734	37646	38241
25°	34581	29687	32210
30°	27890	19725	25301
35°	21623	10172	18999
40°	14835	5267	12795
45°	10164	2644	8978
50°	8460	1126	7693
55°	7608	975	6872
60°	6019	932	5745
65°	4968	830	4916
70°	4023	753	4023
75°	2965	805	3156
80°	1736	663	1894
85°	1321	818	1321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.7	9.4
10°-20°	209.1	24.5
20°-30°	238.7	28.0
30°-40°	158.3	18.6
40°-50°	76.3	9.0
50°-60°	47.0	5.5
60°-70°	28.4	3.3
70°-80°	11.9	1.4
80°-90°	2.6	0.3
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°	527.4	61.9
0°-40°	685.7	80.5
0°-60°	809.0	95.0
0°-90°	852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	852.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	837	837	837	837	837	
5°	842	851	855	828	829	79
15°	761	761	764	731	744	212
25°	572	552	491	519	532	259
35°	323	285	152	266	284	200
45°	131	115	34	107	116	107
55°	80	65	10	65	72	70
65°	38	37	6	34	38	38
75°	14	14	4	13	15	15
85°	2	3	1	2	2	3
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°	836.9	836.9	836.9	836.9	836.9	836.9	836.9	836.9	836.9
2.5°	839.0	840.3	842.8	843.3	842.0	833.9	827.1	829.7	831.8
5°	842.4	845.0	851.4	857.3	855.2	841.6	827.9	827.5	829.2
7.5°	830.1	836.0	849.2	864.1	863.7	840.3	820.3	815.2	815.2
10°	805.8	811.3	825.8	845.8	845.4	816.0	793.9	791.3	791.8
12.5°	784.1	786.7	793.9	809.6	809.6	780.7	763.7	766.2	769.6
15°	760.7	762.4	760.7	765.8	763.7	739.8	731.3	739.4	744.5
17.5°	727.5	728.3	719.4	712.6	704.5	689.6	691.7	703.7	704.9
20°	681.1	686.6	670.4	653.0	645.3	631.3	643.2	656.4	655.5
22.5°	630.0	636.4	615.5	586.6	570.8	565.3	586.6	598.5	598.1
25°	571.7	576.4	552.5	512.1	490.8	490.0	519.3	531.7	532.5
27.5°	506.1	507.8	481.0	428.2	401.8	408.2	445.3	462.3	464.4
30°	440.6	439.7	412.1	346.5	311.6	329.1	378.9	397.6	399.7
32.5°	380.6	378.0	346.5	268.2	226.5	252.4	318.0	337.6	341.0
35°	323.1	318.8	284.8	198.4	152.0	190.7	265.6	282.7	283.9
37.5°	263.1	260.9	234.1	148.6	106.0	144.7	216.7	229.0	227.7
40°	207.3	207.3	185.2	110.3	73.6	107.7	171.5	182.6	178.8
42.5°	162.6	164.7	146.0	81.3	52.4	80.0	135.8	146.0	141.8
45°	131.1	131.1	114.9	60.4	34.1	59.6	107.3	116.6	115.8
47.5°	111.1	109.4	93.2	44.3	18.7	44.7	90.2	101.7	101.3
50°	99.2	96.6	80.0	34.9	13.2	37.0	79.2	89.8	90.2
52.5°	89.8	86.0	71.9	31.1	11.5	32.4	71.9	80.5	80.5
55°	79.6	77.5	64.7	27.7	10.2	28.9	64.7	72.4	71.9
57.5°	67.3	66.8	57.9	25.1	9.4	25.5	57.9	62.6	60.9
60°	54.9	56.6	50.2	22.6	8.5	23.0	49.4	53.2	52.4
62.5°	46.0	48.1	43.8	20.0	7.2	20.4	41.7	45.5	44.7
65°	38.3	40.0	36.6	17.0	6.4	17.0	34.5	37.9	37.9
67.5°	31.5	32.8	30.2	14.0	5.5	14.0	28.1	31.1	31.5
70°	25.1	26.0	23.8	11.1	4.7	11.5	22.1	25.1	25.1
72.5°	19.6	20.0	18.7	8.9	4.3	8.9	17.0	19.6	19.6
75°	14.0	14.9	14.0	6.8	3.8	6.8	13.2	14.5	14.9
77.5°	8.1	10.2	10.2	5.5	3.0	5.1	9.4	9.8	9.8
80°	5.5	6.4	7.2	3.8	2.1	3.8	6.0	6.4	6.0
82.5°	3.8	4.3	4.3	2.6	1.7	2.6	3.8	4.3	3.8
85°	2.1	3.0	3.0	2.1	1.3	1.7	2.1	2.6	2.1
87.5°	1.3	1.7	2.1	1.7	1.3	1.3	1.3	1.3	0.9
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)