

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: P799327

Luminaire Tested: **LD6C10D010 EU6109035 6LBMDSWWMH**

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: P799327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C10D010 EU6109035 6LBMDSWWMH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

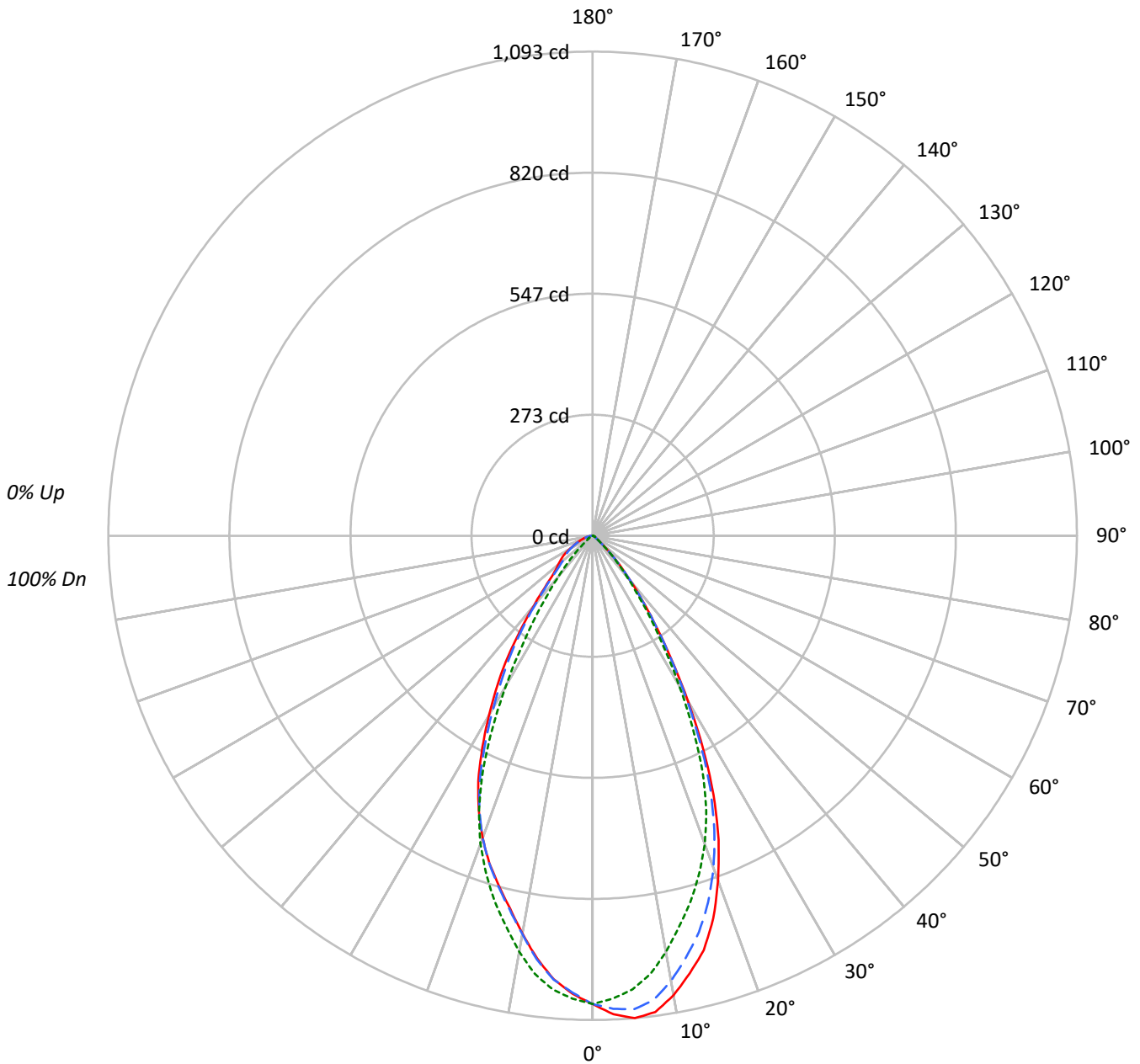
Lumens per Lamp: N/A  
Luminaire Lumens: 910.0 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
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

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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				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

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

	0°	90°	180°
0°	57945	57945	57945
5°	60147	56581	55305
10°	58605	53072	50739
15°	54966	48496	46402
20°	48252	43170	42348
25°	39026	35470	36934
30°	27131	24706	29555
35°	16724	15138	22305
40°	9461	8487	14813
45°	4597	4380	10110
50°	1748	1748	8597
55°	956	1137	7933
60°	702	899	6502
65°	597	765	5318
70°	513	657	4392
75°	487	678	3770
80°	284	568	2747
85°	314	1132	2579



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.8	10.6
10°-20°	243.2	26.7
20°-30°	273.8	30.1
30°-40°	169.5	18.6
40°-50°	67.5	7.4
50°-60°	30.7	3.4
60°-70°	17.7	1.9
70°-80°	8.4	0.9
80°-90°	2.5	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°	613.7	67.4
0°-40°	783.3	86.1
0°-60°	881.5	96.9
0°-90°	910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1057	1057	1057	1057	1057	
5°	1093	1073	1028	1006	1005	103
15°	968	926	854	820	818	268
25°	645	628	586	601	611	290
35°	250	248	226	315	333	161
45°	59	59	56	123	130	50
55°	10	10	12	73	83	10
65°	5	4	6	41	41	4
75°	2	2	3	17	18	2
85°	0	0	2	4	4	0
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°	1057.0	1057.0	1057.0	1057.0	1057.0	1057.0	1057.0	1057.0	1057.0
2.5°	1081.1	1071.1	1068.8	1060.1	1045.6	1037.3	1032.3	1028.7	1035.1
5°	1093.0	1082.0	1072.9	1055.1	1028.2	1013.2	1005.9	1000.0	1005.0
7.5°	1084.3	1068.8	1056.5	1031.9	997.7	974.4	964.4	957.6	962.1
10°	1052.8	1034.2	1020.0	990.8	953.4	925.6	913.3	906.9	911.5
12.5°	1011.8	996.3	974.9	943.0	902.8	873.7	864.5	859.5	861.3
15°	968.5	950.3	926.5	894.6	854.5	825.3	819.8	816.7	817.6
17.5°	905.6	887.8	867.3	836.3	799.3	775.6	775.6	773.3	774.7
20°	827.1	817.6	797.5	771.5	740.0	718.6	725.5	723.2	725.9
22.5°	742.3	735.0	717.7	696.3	669.8	653.0	668.0	667.5	671.2
25°	645.2	639.7	627.9	609.6	586.4	575.9	601.0	601.0	610.6
27.5°	538.1	532.6	524.4	508.9	489.7	486.5	523.5	528.0	538.5
30°	428.6	425.0	420.4	406.3	390.3	396.2	447.3	455.1	466.9
32.5°	331.0	328.8	327.4	314.6	300.5	320.1	378.5	388.5	400.3
35°	249.9	244.9	248.5	238.9	226.2	250.8	315.1	323.7	333.3
37.5°	184.2	180.6	183.8	176.9	165.5	192.4	253.1	258.5	264.9
40°	132.2	129.0	131.8	127.7	118.6	143.6	198.3	204.3	207.0
42.5°	93.9	88.5	91.2	88.0	83.4	108.1	155.9	161.4	162.3
45°	59.3	57.5	59.3	57.5	56.5	80.3	123.1	128.1	130.4
47.5°	36.0	33.7	33.7	32.8	33.7	59.3	101.7	109.0	112.6
50°	20.5	19.6	19.2	18.7	20.5	46.5	88.0	96.2	100.8
52.5°	13.7	13.2	13.2	12.8	15.0	39.2	79.3	86.6	91.2
55°	10.0	9.6	9.6	9.6	11.9	33.7	73.0	78.9	83.0
57.5°	7.8	7.8	7.8	7.3	10.0	28.7	65.2	68.4	71.6
60°	6.4	5.9	5.9	5.9	8.2	24.6	56.1	57.5	59.3
62.5°	5.0	5.0	5.0	5.0	6.8	21.9	48.3	48.3	49.2
65°	4.6	4.1	4.1	4.1	5.9	19.2	40.6	40.1	41.0
67.5°	3.6	3.6	3.6	3.6	5.0	16.4	33.3	32.8	33.7
70°	3.2	3.2	3.2	3.2	4.1	13.7	26.9	26.4	27.4
72.5°	2.7	2.7	2.7	2.7	3.6	11.4	21.4	21.4	21.9
75°	2.3	2.3	2.3	2.3	3.2	8.7	17.3	17.3	17.8
77.5°	1.8	1.8	1.8	1.8	2.3	6.8	13.2	12.8	12.8
80°	0.9	1.4	1.4	1.4	1.8	5.0	9.6	8.7	8.7
82.5°	0.5	0.9	0.9	0.9	1.8	3.6	6.4	5.9	5.9
85°	0.5	0.5	0.5	1.4	1.8	2.7	4.1	4.1	4.1
87.5°	0.0	0.5	0.9	1.8	2.3	2.3	2.7	2.3	2.3
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)