

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: P799315

Luminaire Tested: **LD6C10D010 EU6109030 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: P799315  
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 EU6109030 6LBMDSWWMH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

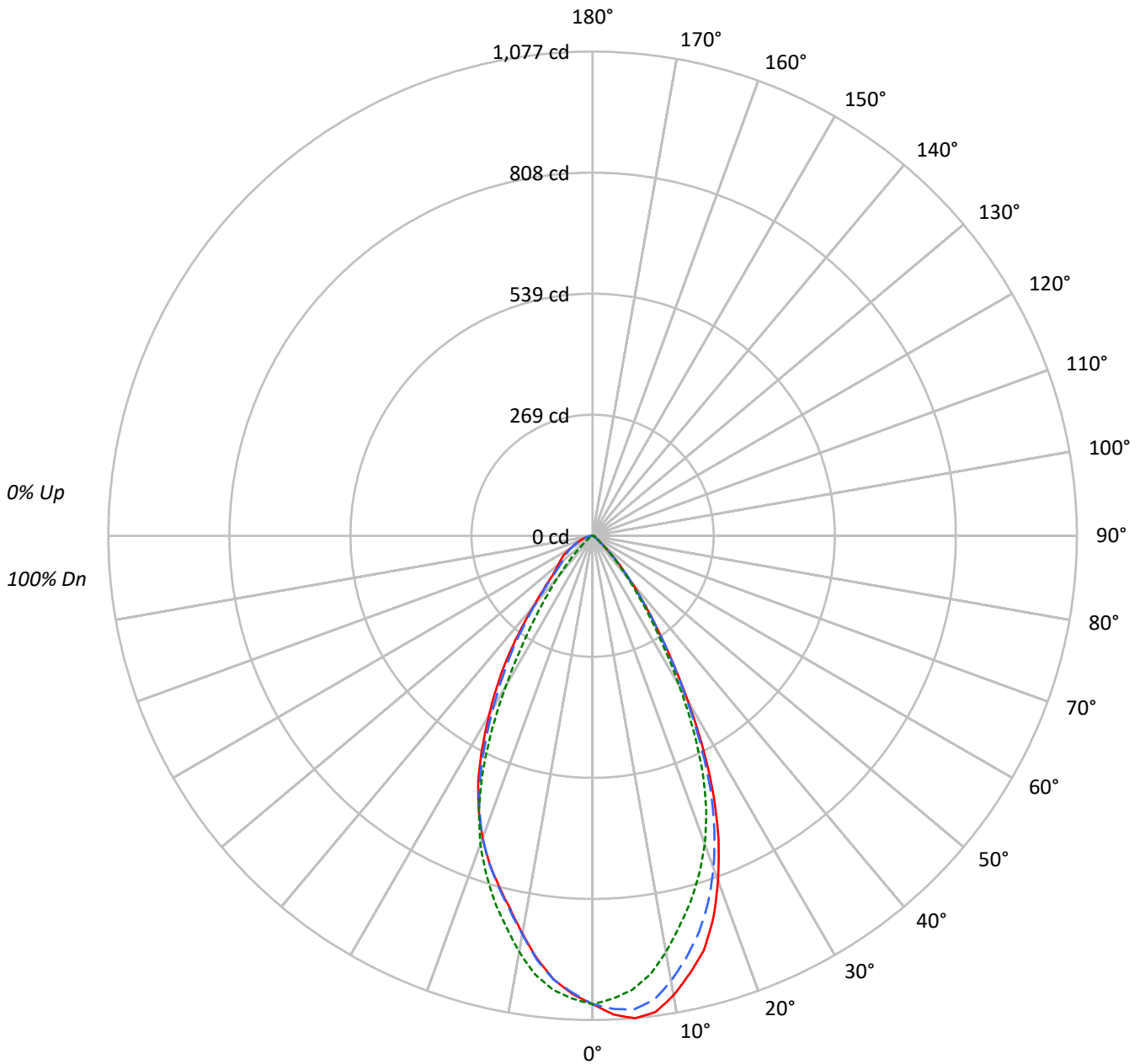
Lumens per Lamp: N/A  
Luminaire Lumens: 896.9 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
Input Voltage (V): NR  
Input Current (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					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°	57117	57117	57117
5°	59289	55772	54512
10°	57770	52315	50016
15°	54183	47804	45738
20°	47563	42558	41741
25°	38470	34962	36401
30°	26745	24352	29131
35°	16483	14917	21991
40°	9325	8366	14606
45°	4528	4318	9962
50°	1723	1723	8469
55°	946	1118	7818
60°	691	888	6403
65°	584	752	5253
70°	497	641	4328
75°	466	657	3707
80°	284	568	2683
85°	252	1132	2516



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.4	10.6
10°-20°	239.7	26.7
20°-30°	269.9	30.1
30°-40°	167.1	18.6
40°-50°	66.5	7.4
50°-60°	30.3	3.4
60°-70°	17.4	1.9
70°-80°	8.2	0.9
80°-90°	2.4	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°	605.0	67.4
0°-40°	772.1	86.1
0°-60°	868.9	96.9
0°-90°	896.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1042	1042	1042	1042	1042	
5°	1077	1058	1014	992	991	101
15°	955	913	842	808	806	264
25°	636	619	578	592	602	286
35°	246	245	223	311	329	158
45°	58	58	56	121	128	49
55°	10	9	12	72	82	10
65°	4	4	6	40	40	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°	1041.9	1041.9	1041.9	1041.9	1041.9	1041.9	1041.9	1041.9	1041.9
2.5°	1065.7	1055.8	1053.5	1045.0	1030.6	1022.5	1017.6	1014.0	1020.3
5°	1077.4	1066.6	1057.6	1040.1	1013.5	998.7	991.5	985.7	990.6
7.5°	1068.8	1053.5	1041.4	1017.1	983.4	960.5	950.6	943.9	948.4
10°	1037.8	1019.4	1005.4	976.7	939.8	912.4	900.3	894.0	898.5
12.5°	997.4	982.1	961.0	929.5	889.9	861.2	852.2	847.2	849.0
15°	954.7	936.7	913.3	881.8	842.3	813.5	808.1	805.0	805.9
17.5°	892.6	875.1	854.9	824.3	787.9	764.5	764.5	762.3	763.6
20°	815.3	805.9	786.1	760.5	729.5	708.4	715.1	712.8	715.5
22.5°	731.7	724.5	707.5	686.3	660.3	643.6	658.5	658.0	661.6
25°	636.0	630.6	618.9	600.9	578.0	567.7	592.4	592.4	601.8
27.5°	530.4	525.0	516.9	501.6	482.7	479.6	516.0	520.5	530.8
30°	422.5	418.9	414.4	400.5	384.7	390.6	440.9	448.6	460.2
32.5°	326.3	324.1	322.7	310.1	296.2	315.5	373.1	382.9	394.6
35°	246.3	241.4	245.0	235.5	222.9	247.2	310.6	319.1	328.6
37.5°	181.6	178.0	181.1	174.4	163.2	189.7	249.5	254.8	261.1
40°	130.3	127.2	129.9	125.8	116.9	141.6	195.5	201.4	204.1
42.5°	92.6	87.2	89.9	86.7	82.3	106.5	153.7	159.1	160.0
45°	58.4	56.6	58.4	56.6	55.7	79.1	121.4	126.3	128.5
47.5°	35.5	33.3	33.3	32.4	33.3	58.4	100.2	107.4	111.0
50°	20.2	19.3	18.9	18.4	20.2	45.8	86.7	94.8	99.3
52.5°	13.5	13.0	13.0	12.6	14.8	38.7	78.2	85.4	89.9
55°	9.9	9.4	9.4	9.4	11.7	33.3	71.9	77.8	81.8
57.5°	7.6	7.6	7.6	7.2	9.9	28.3	64.3	67.4	70.6
60°	6.3	5.8	5.8	5.8	8.1	24.3	55.3	56.6	58.4
62.5°	4.9	4.9	4.9	4.9	6.7	21.6	47.6	47.6	48.5
65°	4.5	4.0	4.0	4.0	5.8	18.9	40.0	39.6	40.5
67.5°	3.6	3.6	3.6	3.6	4.9	16.2	32.8	32.4	33.3
70°	3.1	3.1	3.1	3.1	4.0	13.5	26.5	26.1	27.0
72.5°	2.7	2.7	2.7	2.7	3.6	11.2	21.1	21.1	21.6
75°	2.2	2.2	2.2	2.2	3.1	8.5	17.1	17.1	17.5
77.5°	1.8	1.8	1.8	1.8	2.2	6.7	13.0	12.6	12.6
80°	0.9	1.3	1.3	1.3	1.8	4.9	9.4	8.5	8.5
82.5°	0.4	0.9	0.9	0.9	1.8	3.6	6.3	5.8	5.8
85°	0.4	0.4	0.4	1.3	1.8	2.7	4.0	4.0	4.0
87.5°	0.0	0.4	0.9	1.8	2.2	2.2	2.7	2.2	2.2
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)