

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: P799309

Luminaire Tested: **LD6C10D010 EU6109030 6LBMDDWWMH**

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: P799309  
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 EU6109030 6LBMDDWWMH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

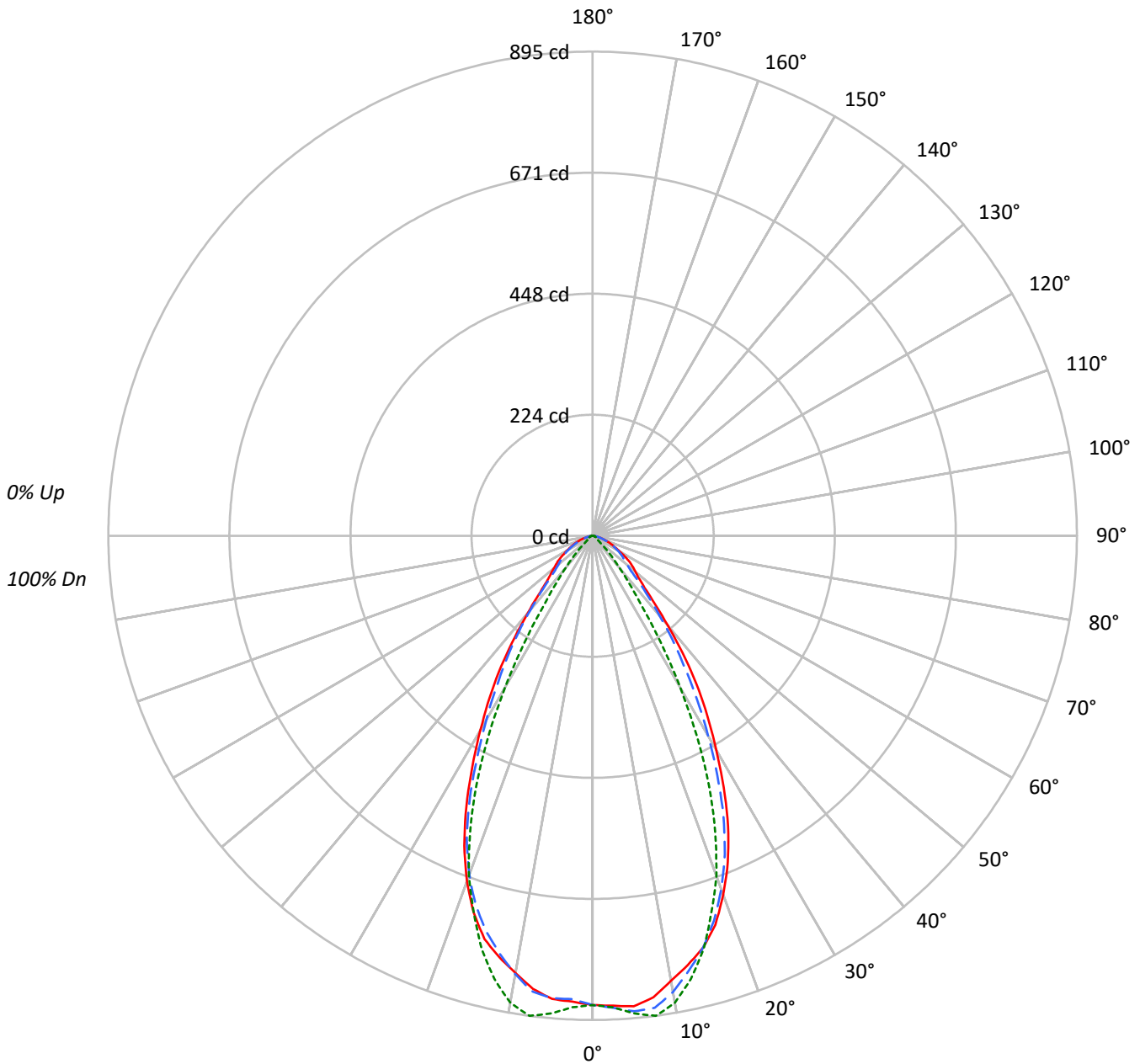
Lumens per Lamp: N/A  
Luminaire Lumens: 883.0 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

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

	0°	90°	180°
0°	47546	47546	47546
5°	48046	48773	47292
10°	46487	48774	45679
15°	44745	44921	43791
20°	41181	39017	39635
25°	35839	30770	33383
30°	28903	20440	26226
35°	22406	10540	19695
40°	15372	5460	13261
45°	10536	2737	9303
50°	8767	1168	7974
55°	7885	1013	7130
60°	6239	965	5953
65°	5150	856	5098
70°	4167	785	4167
75°	3092	847	3262
80°	1799	695	1957
85°	1384	818	1384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.6	9.4
10°-20°	216.7	24.5
20°-30°	247.3	28.0
30°-40°	164.0	18.6
40°-50°	79.1	9.0
50°-60°	48.7	5.5
60°-70°	29.4	3.3
70°-80°	12.4	1.4
80°-90°	2.7	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°	546.6	61.9
0°-40°	710.6	80.5
0°-60°	838.4	95.0
0°-90°	883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	883.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	867	867	867	867	867	
5°	873	882	886	858	859	82
15°	788	788	792	758	772	220
25°	592	573	509	538	552	269
35°	335	295	158	275	294	207
45°	136	119	35	111	120	111
55°	82	67	11	67	75	73
65°	40	38	7	36	39	40
75°	15	15	4	14	15	16
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°	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3
2.5°	869.5	870.9	873.5	874.0	872.6	864.3	857.2	859.8	862.0
5°	873.1	875.7	882.3	888.5	886.3	872.2	858.1	857.6	859.4
7.5°	860.3	866.5	880.1	895.6	895.1	870.9	850.1	844.8	844.8
10°	835.1	840.9	855.9	876.6	876.2	845.7	822.8	820.1	820.6
12.5°	812.6	815.3	822.8	839.1	839.1	809.1	791.5	794.1	797.6
15°	788.4	790.1	788.4	793.7	791.5	766.8	757.9	766.3	771.6
17.5°	754.0	754.8	745.6	738.5	730.1	714.7	716.9	729.3	730.6
20°	705.9	711.6	694.8	676.8	668.8	654.3	666.6	680.3	679.4
22.5°	652.9	659.5	637.9	607.9	591.6	585.9	607.9	620.3	619.8
25°	592.5	597.3	572.6	530.7	508.7	507.8	538.2	551.0	551.9
27.5°	524.6	526.3	498.5	443.8	416.5	423.1	461.5	479.1	481.3
30°	456.6	455.7	427.1	359.1	322.9	341.0	392.6	412.1	414.3
32.5°	394.4	391.8	359.1	277.9	234.7	261.6	329.6	349.8	353.4
35°	334.8	330.4	295.1	205.6	157.5	197.6	275.3	292.9	294.3
37.5°	272.6	270.4	242.6	154.0	109.9	150.0	224.6	237.3	236.0
40°	214.8	214.8	191.9	114.3	76.3	111.6	177.8	189.3	185.3
42.5°	168.5	170.7	151.3	84.3	54.3	82.9	140.7	151.3	146.9
45°	135.9	135.9	119.1	62.6	35.3	61.8	111.2	120.9	120.0
47.5°	115.1	113.4	96.6	45.9	19.4	46.3	93.5	105.4	105.0
50°	102.8	100.1	82.9	36.2	13.7	38.4	82.1	93.1	93.5
52.5°	93.1	89.1	74.6	32.2	11.9	33.5	74.6	83.4	83.4
55°	82.5	80.3	67.1	28.7	10.6	30.0	67.1	75.0	74.6
57.5°	69.7	69.3	60.0	26.0	9.7	26.5	60.0	64.9	63.1
60°	56.9	58.7	52.1	23.4	8.8	23.8	51.2	55.1	54.3
62.5°	47.6	49.9	45.4	20.7	7.5	21.2	43.2	47.2	46.3
65°	39.7	41.5	37.9	17.6	6.6	17.6	35.7	39.3	39.3
67.5°	32.6	34.0	31.3	14.6	5.7	14.6	29.1	32.2	32.6
70°	26.0	26.9	24.7	11.5	4.9	11.9	22.9	26.0	26.0
72.5°	20.3	20.7	19.4	9.3	4.4	9.3	17.6	20.3	20.3
75°	14.6	15.4	14.6	7.1	4.0	7.1	13.7	15.0	15.4
77.5°	8.4	10.6	10.6	5.7	3.1	5.3	9.7	10.1	10.1
80°	5.7	6.6	7.5	4.0	2.2	4.0	6.2	6.6	6.2
82.5°	4.0	4.4	4.4	2.6	1.8	2.6	4.0	4.4	4.0
85°	2.2	3.1	3.1	2.2	1.3	1.8	2.2	2.6	2.2
87.5°	1.3	1.8	2.2	1.8	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)