

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: P799306

Luminaire Tested: **LD6C10D010 EU6109030 6LBMDDWLI**

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: P799306  
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 6LBMDDWLI  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

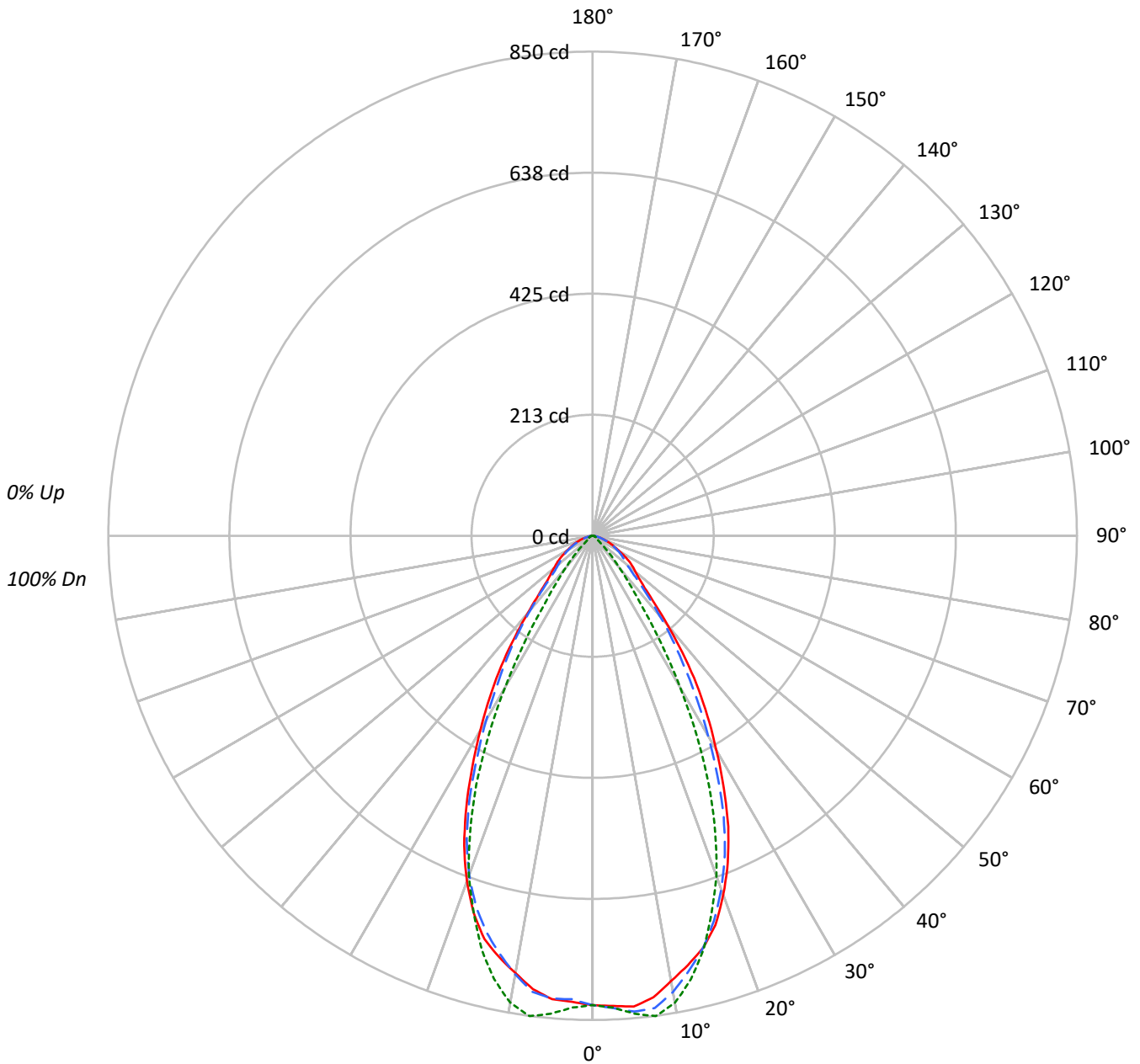
Lumens per Lamp: N/A  
Luminaire Lumens: 839.0 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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					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°	45177	45177	45177
5°	45653	46340	44937
10°	44171	46342	43403
15°	42514	42679	41612
20°	39128	37074	37657
25°	34054	29234	31720
30°	27466	19421	24915
35°	21295	10012	18712
40°	14606	5188	12602
45°	10009	2597	8838
50°	8332	1109	7582
55°	7493	965	6767
60°	5932	921	5657
65°	4890	817	4838
70°	3959	737	3959
75°	2923	805	3114
80°	1705	663	1863
85°	1321	818	1321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.4	9.3
10°-20°	205.9	24.5
20°-30°	235.0	28.0
30°-40°	155.9	18.6
40°-50°	75.2	9.0
50°-60°	46.2	5.5
60°-70°	28.0	3.3
70°-80°	11.8	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°	519.4	61.9
0°-40°	675.2	80.5
0°-60°	796.6	95.0
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	824	824	824	824	824	
5°	830	838	842	815	817	78
15°	749	749	752	720	733	209
25°	563	544	483	511	524	255
35°	318	280	150	262	280	197
45°	129	113	34	106	114	105
55°	78	64	10	64	71	69
65°	38	36	6	34	37	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°	824.1	824.1	824.1	824.1	824.1	824.1	824.1	824.1	824.1
2.5°	826.2	827.5	830.0	830.4	829.1	821.2	814.5	817.0	819.1
5°	829.6	832.1	838.4	844.2	842.1	828.7	815.3	814.9	816.6
7.5°	817.4	823.3	836.3	850.9	850.5	827.5	807.8	802.7	802.7
10°	793.5	799.0	813.2	832.9	832.5	803.6	781.8	779.3	779.7
12.5°	772.1	774.7	781.8	797.3	797.3	768.8	752.0	754.5	757.9
15°	749.1	750.8	749.1	754.1	752.0	728.5	720.2	728.1	733.2
17.5°	716.4	717.2	708.4	701.7	693.8	679.1	681.2	692.9	694.2
20°	670.7	676.1	660.2	643.0	635.5	621.7	633.4	646.4	645.5
22.5°	620.4	626.7	606.1	577.6	562.1	556.7	577.6	589.4	589.0
25°	563.0	567.6	544.1	504.3	483.3	482.5	511.4	523.6	524.4
27.5°	498.4	500.1	473.7	421.7	395.7	402.0	438.5	455.2	457.3
30°	433.9	433.0	405.8	341.2	306.8	324.0	373.1	391.5	393.6
32.5°	374.8	372.2	341.2	264.1	223.0	248.6	313.1	332.4	335.8
35°	318.2	314.0	280.4	195.3	149.6	187.8	261.6	278.3	279.6
37.5°	259.1	257.0	230.6	146.3	104.4	142.5	213.4	225.5	224.3
40°	204.1	204.1	182.3	108.6	72.5	106.1	168.9	179.8	176.1
42.5°	160.1	162.2	143.8	80.1	51.6	78.8	133.7	143.8	139.6
45°	129.1	129.1	113.2	59.5	33.5	58.7	105.6	114.9	114.0
47.5°	109.4	107.7	91.8	43.6	18.4	44.0	88.9	100.2	99.8
50°	97.7	95.2	78.8	34.4	13.0	36.5	78.0	88.4	88.9
52.5°	88.4	84.7	70.8	30.6	11.3	31.9	70.8	79.2	79.2
55°	78.4	76.3	63.7	27.2	10.1	28.5	63.7	71.3	70.8
57.5°	66.2	65.8	57.0	24.7	9.2	25.2	57.0	61.6	59.9
60°	54.1	55.8	49.5	22.2	8.4	22.6	48.6	52.4	51.6
62.5°	45.3	47.4	43.2	19.7	7.1	20.1	41.1	44.9	44.0
65°	37.7	39.4	36.0	16.8	6.3	16.8	34.0	37.3	37.3
67.5°	31.0	32.3	29.8	13.8	5.4	13.8	27.7	30.6	31.0
70°	24.7	25.6	23.5	10.9	4.6	11.3	21.8	24.7	24.7
72.5°	19.3	19.7	18.4	8.8	4.2	8.8	16.8	19.3	19.3
75°	13.8	14.7	13.8	6.7	3.8	6.7	13.0	14.3	14.7
77.5°	8.0	10.1	10.1	5.4	2.9	5.0	9.2	9.6	9.6
80°	5.4	6.3	7.1	3.8	2.1	3.8	5.9	6.3	5.9
82.5°	3.8	4.2	4.2	2.5	1.7	2.5	3.8	4.2	3.8
85°	2.1	2.9	2.9	2.1	1.3	1.7	2.1	2.5	2.1
87.5°	1.3	1.7	2.1	1.7	1.3	1.3	1.3	1.3	0.8
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)