

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: P799321

Luminaire Tested: **LD6C10D010 EU6109035 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: P799321  
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 EU6109035 6LBMDDWWMH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

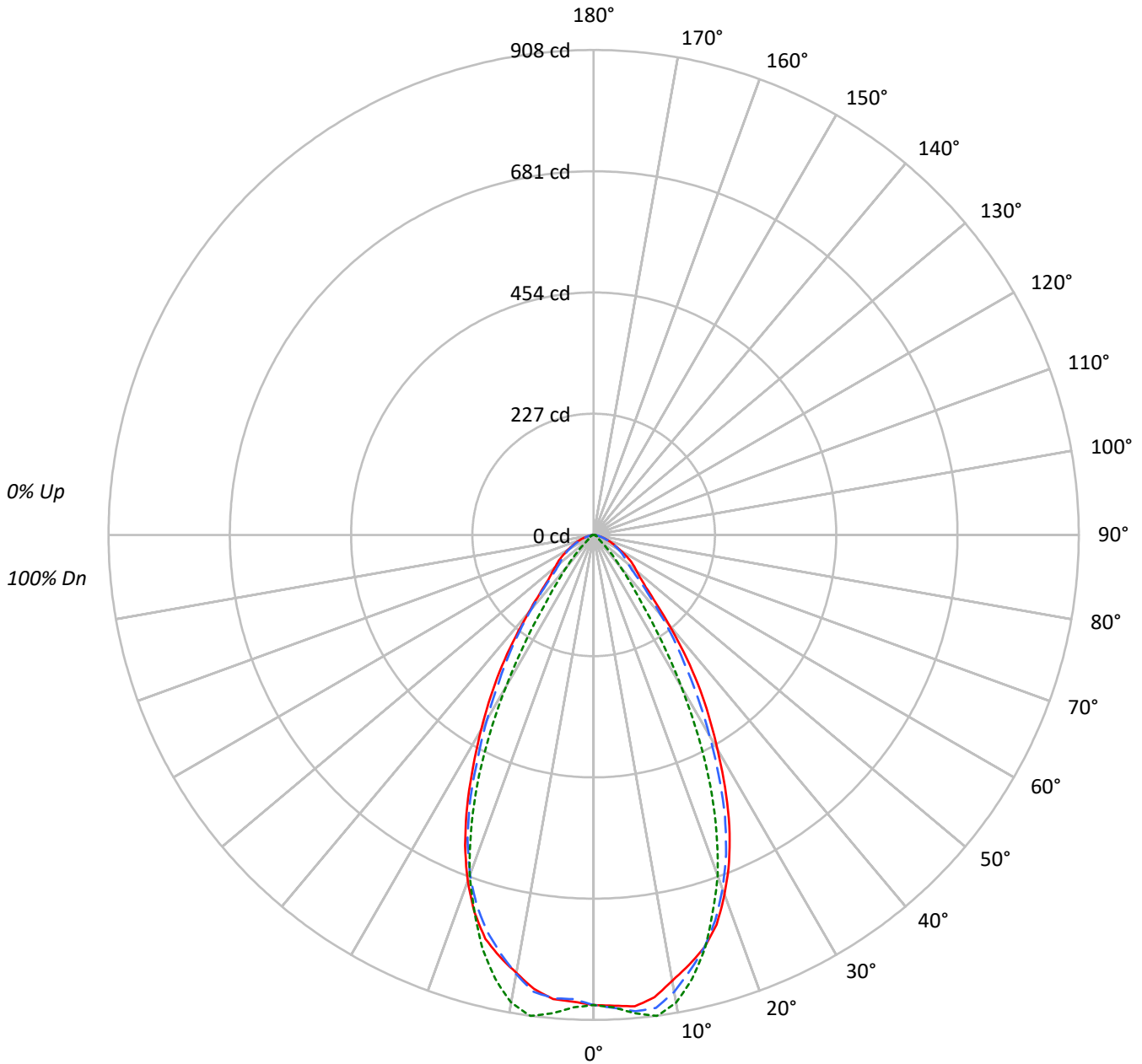
Lumens per Lamp: N/A  
Luminaire Lumens: 896.0 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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								
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°	48247	48247	48247
5°	48751	49494	47991
10°	47171	49493	46353
15°	45403	45579	44438
20°	41788	39594	40218
25°	36365	31224	33873
30°	29327	20744	26612
35°	22740	10694	19983
40°	15601	5539	13454
45°	10691	2775	9443
50°	8895	1185	8094
55°	8000	1023	7235
60°	6326	987	6041
65°	5228	869	5163
70°	4231	785	4231
75°	3135	847	3325
80°	1831	695	1989
85°	1384	818	1384



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.8	9.4
10°-20°	219.9	24.5
20°-30°	251.0	28.0
30°-40°	166.4	18.6
40°-50°	80.3	9.0
50°-60°	49.4	5.5
60°-70°	29.9	3.3
70°-80°	12.6	1.4
80°-90°	2.8	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°	554.7	61.9
0°-40°	721.1	80.5
0°-60°	850.8	95.0
0°-90°	896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	880	880	880	880	880	
5°	886	895	899	871	872	83
15°	800	800	803	769	783	223
25°	601	581	516	546	560	273
35°	340	300	160	279	299	210
45°	138	121	36	113	122	112
55°	84	68	11	68	76	74
65°	40	38	7	36	40	40
75°	15	15	4	14	16	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°	880.1	880.1	880.1	880.1	880.1	880.1	880.1	880.1	880.1
2.5°	882.3	883.7	886.4	886.8	885.5	877.0	869.8	872.5	874.7
5°	885.9	888.6	895.3	901.6	899.4	885.0	870.7	870.3	872.1
7.5°	872.9	879.2	893.1	908.8	908.3	883.7	862.6	857.3	857.3
10°	847.4	853.2	868.5	889.5	889.1	858.2	834.9	832.2	832.7
12.5°	824.6	827.3	834.9	851.5	851.5	821.0	803.1	805.8	809.4
15°	800.0	801.8	800.0	805.3	803.1	778.0	769.1	777.6	783.0
17.5°	765.1	766.0	756.6	749.4	740.9	725.2	727.5	740.0	741.3
20°	716.3	722.1	705.1	686.7	678.7	663.9	676.4	690.3	689.4
22.5°	662.5	669.3	647.3	616.9	600.3	594.5	616.9	629.4	629.0
25°	601.2	606.1	581.1	538.5	516.2	515.3	546.2	559.1	560.0
27.5°	532.3	534.1	505.9	450.4	422.6	429.3	468.3	486.2	488.4
30°	463.3	462.4	433.3	364.4	327.7	346.0	398.4	418.1	420.4
32.5°	400.2	397.5	364.4	282.0	238.2	265.5	334.4	355.0	358.6
35°	339.8	335.3	299.5	208.6	159.8	200.6	279.3	297.2	298.6
37.5°	276.7	274.4	246.2	156.2	111.5	152.2	227.9	240.8	239.5
40°	218.0	218.0	194.7	115.9	77.4	113.3	180.4	192.0	188.0
42.5°	171.0	173.2	153.5	85.5	55.1	84.2	142.8	153.5	149.1
45°	137.9	137.9	120.9	63.6	35.8	62.7	112.8	122.7	121.8
47.5°	116.8	115.0	98.0	46.6	19.7	47.0	94.9	107.0	106.5
50°	104.3	101.6	84.2	36.7	13.9	38.9	83.3	94.5	94.9
52.5°	94.5	90.4	75.7	32.7	12.1	34.0	75.7	84.6	84.6
55°	83.7	81.5	68.0	29.1	10.7	30.4	68.0	76.1	75.7
57.5°	70.7	70.3	60.9	26.4	9.8	26.9	60.9	65.8	64.0
60°	57.7	59.5	52.8	23.7	9.0	24.2	51.9	56.0	55.1
62.5°	48.3	50.6	46.1	21.0	7.6	21.5	43.9	47.9	47.0
65°	40.3	42.1	38.5	17.9	6.7	17.9	36.3	39.8	39.8
67.5°	33.1	34.5	31.8	14.8	5.8	14.8	29.5	32.7	33.1
70°	26.4	27.3	25.1	11.6	4.9	12.1	23.3	26.4	26.4
72.5°	20.6	21.0	19.7	9.4	4.5	9.4	17.9	20.6	20.6
75°	14.8	15.7	14.8	7.2	4.0	7.2	13.9	15.2	15.7
77.5°	8.5	10.7	10.7	5.8	3.1	5.4	9.8	10.3	10.3
80°	5.8	6.7	7.6	4.0	2.2	4.0	6.3	6.7	6.3
82.5°	4.0	4.5	4.5	2.7	1.8	2.7	4.0	4.5	4.0
85°	2.2	3.1	3.1	2.2	1.3	1.8	2.2	2.7	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)