

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: P799297

Luminaire Tested: **LD6C10D010 EU6109027 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: P799297  
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 EU6109027 6LBMDDWWMH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

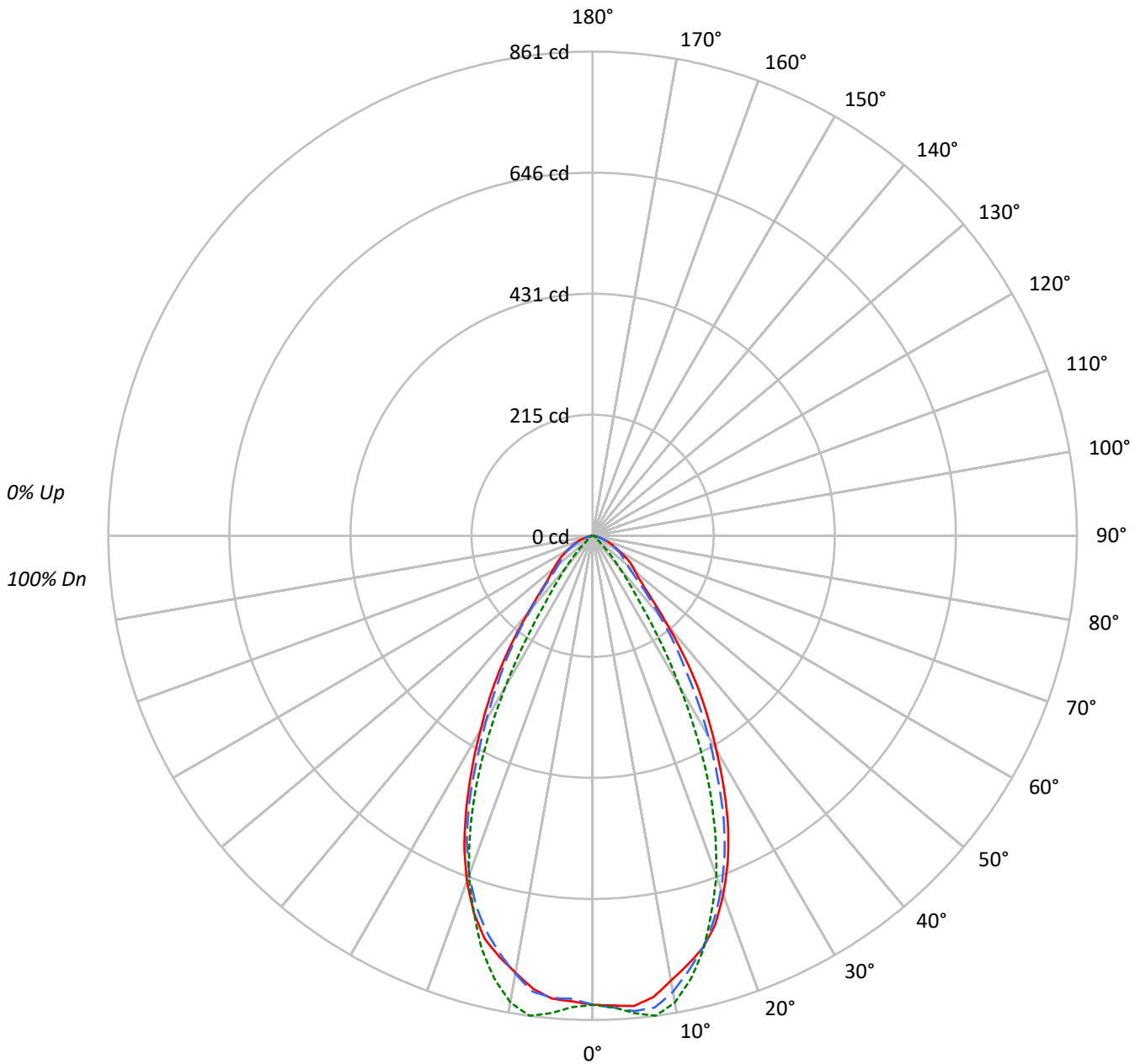
Lumens per Lamp: N/A  
Luminaire Lumens: 849.0 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
RC	80									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°	45715	45715	45715
5°	46197	46896	45471
10°	44700	46893	43920
15°	43020	43190	42106
20°	39594	37517	38107
25°	34460	29584	32101
30°	27789	19655	25213
35°	21549	10132	18933
40°	14785	5253	12752
45°	10125	2628	8947
50°	8426	1117	7667
55°	7579	975	6853
60°	5997	932	5723
65°	4955	830	4903
70°	4007	753	4007
75°	2965	805	3135
80°	1736	663	1863
85°	1321	818	1321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.4	9.4
10°-20°	208.4	24.5
20°-30°	237.8	28.0
30°-40°	157.7	18.6
40°-50°	76.1	9.0
50°-60°	46.8	5.5
60°-70°	28.3	3.3
70°-80°	11.9	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°	525.6	61.9
0°-40°	683.3	80.5
0°-60°	806.1	95.0
0°-90°	849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	849.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	834	834	834	834	834	
5°	840	848	852	825	826	79
15°	758	758	761	729	742	211
25°	570	551	489	518	531	258
35°	322	284	151	265	283	199
45°	131	114	34	107	115	107
55°	79	64	10	64	72	70
65°	38	36	6	34	38	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°	833.9	833.9	833.9	833.9	833.9	833.9	833.9	833.9	833.9
2.5°	836.1	837.3	839.9	840.3	839.0	831.0	824.2	826.7	828.9
5°	839.5	842.0	848.4	854.3	852.2	838.6	825.0	824.6	826.3
7.5°	827.2	833.1	846.2	861.1	860.7	837.3	817.4	812.3	812.3
10°	803.0	808.5	822.9	842.8	842.4	813.2	791.1	788.6	789.0
12.5°	781.3	783.9	791.1	806.8	806.8	778.0	761.0	763.5	766.9
15°	758.0	759.7	758.0	763.1	761.0	737.2	728.7	736.8	741.9
17.5°	724.9	725.8	716.9	710.1	702.0	687.2	689.3	701.2	702.4
20°	678.7	684.2	668.1	650.7	643.1	629.1	640.9	654.1	653.2
22.5°	627.8	634.2	613.4	584.5	568.8	563.3	584.5	596.4	596.0
25°	569.7	574.3	550.6	510.3	489.1	488.2	517.5	529.8	530.7
27.5°	504.4	506.0	479.3	426.7	400.4	406.8	443.7	460.7	462.8
30°	439.0	438.2	410.6	345.3	310.5	327.9	377.5	396.2	398.3
32.5°	379.2	376.7	345.3	267.2	225.7	251.5	316.9	336.4	339.8
35°	322.0	317.7	283.8	197.7	151.4	190.0	264.7	281.7	282.9
37.5°	262.1	260.0	233.3	148.0	105.6	144.2	215.9	228.2	226.9
40°	206.6	206.6	184.5	109.9	73.4	107.3	170.9	182.0	178.2
42.5°	162.0	164.2	145.5	81.0	52.2	79.7	135.3	145.5	141.3
45°	130.6	130.6	114.5	60.2	33.9	59.4	106.9	116.2	115.4
47.5°	110.7	109.0	92.9	44.1	18.7	44.5	89.9	101.4	101.0
50°	98.8	96.3	79.7	34.8	13.1	36.9	78.9	89.5	89.9
52.5°	89.5	85.7	71.7	31.0	11.5	32.2	71.7	80.2	80.2
55°	79.3	77.2	64.5	27.6	10.2	28.8	64.5	72.1	71.7
57.5°	67.0	66.6	57.7	25.0	9.3	25.5	57.7	62.4	60.7
60°	54.7	56.4	50.1	22.5	8.5	22.9	49.2	53.0	52.2
62.5°	45.8	47.9	43.7	19.9	7.2	20.4	41.6	45.4	44.5
65°	38.2	39.9	36.5	17.0	6.4	17.0	34.4	37.8	37.8
67.5°	31.4	32.7	30.1	14.0	5.5	14.0	28.0	31.0	31.4
70°	25.0	25.9	23.8	11.0	4.7	11.5	22.1	25.0	25.0
72.5°	19.5	19.9	18.7	8.9	4.2	8.9	17.0	19.5	19.5
75°	14.0	14.8	14.0	6.8	3.8	6.8	13.1	14.4	14.8
77.5°	8.1	10.2	10.2	5.5	3.0	5.1	9.3	9.8	9.8
80°	5.5	6.4	7.2	3.8	2.1	3.8	5.9	6.4	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	3.0	3.0	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)