

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: P799294

Luminaire Tested: **LD6C10D010 EU6109027 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: P799294  
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 6LBMDDWLI  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

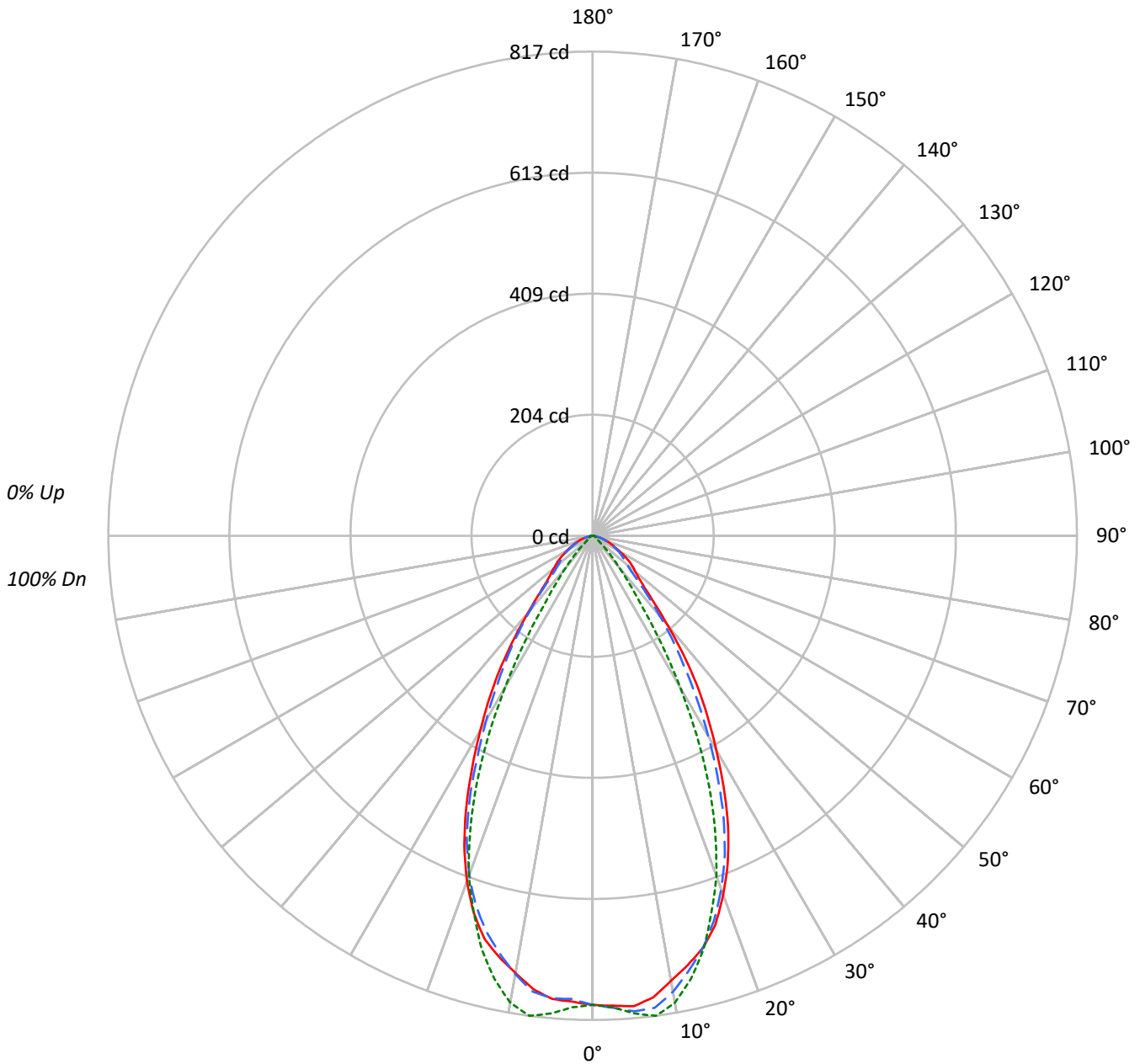
Lumens per Lamp: N/A  
Luminaire Lumens: 806.0 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
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°	43401	43401	43401
5°	43853	44519	43171
10°	42434	44522	41694
15°	40840	40999	39972
20°	37587	35616	36181
25°	32712	28084	30474
30°	26384	18661	23934
35°	20452	9624	17976
40°	14033	4988	12101
45°	9613	2496	8489
50°	8000	1066	7283
55°	7197	927	6509
60°	5690	888	5427
65°	4696	778	4644
70°	3815	705	3815
75°	2817	763	2987
80°	1642	631	1768
85°	1258	755	1258



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.4	9.4
10°-20°	197.8	24.5
20°-30°	225.8	28.0
30°-40°	149.7	18.6
40°-50°	72.2	9.0
50°-60°	44.4	5.5
60°-70°	26.9	3.3
70°-80°	11.3	1.4
80°-90°	2.5	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°	498.9	61.9
0°-40°	648.7	80.5
0°-60°	765.3	95.0
0°-90°	806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	792	792	792	792	792	
5°	797	805	809	783	784	75
15°	720	720	722	692	704	201
25°	541	523	464	491	504	245
35°	306	269	144	251	269	189
45°	124	109	32	102	110	101
55°	75	61	10	61	68	66
65°	36	35	6	33	36	36
75°	13	13	4	12	14	14
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°	791.7	791.7	791.7	791.7	791.7	791.7	791.7	791.7	791.7
2.5°	793.7	794.9	797.3	797.7	796.5	788.9	782.4	784.9	786.9
5°	796.9	799.4	805.4	811.0	809.0	796.1	783.2	782.8	784.5
7.5°	785.3	790.9	803.4	817.5	817.1	794.9	776.0	771.2	771.2
10°	762.3	767.5	781.2	800.2	799.8	772.0	751.0	748.6	749.0
12.5°	741.8	744.2	751.0	765.9	765.9	738.5	722.4	724.9	728.1
15°	719.6	721.2	719.6	724.5	722.4	699.9	691.8	699.5	704.3
17.5°	688.2	689.0	680.6	674.1	666.5	652.4	654.4	665.7	666.9
20°	644.3	649.6	634.2	617.7	610.5	597.2	608.5	621.0	620.2
22.5°	596.0	602.0	582.3	554.9	540.0	534.8	554.9	566.2	565.8
25°	540.8	545.3	522.7	484.4	464.3	463.5	491.3	503.0	503.8
27.5°	478.8	480.4	455.0	405.1	380.1	386.2	421.2	437.3	439.3
30°	416.8	416.0	389.8	327.8	294.8	311.3	358.4	376.1	378.1
32.5°	360.0	357.6	327.8	253.7	214.2	238.8	300.8	319.3	322.6
35°	305.6	301.6	269.4	187.7	143.8	180.4	251.3	267.4	268.6
37.5°	248.9	246.9	221.5	140.5	100.3	136.9	205.0	216.7	215.4
40°	196.1	196.1	175.2	104.3	69.7	101.9	162.3	172.8	169.1
42.5°	153.8	155.8	138.1	76.9	49.5	75.7	128.5	138.1	134.1
45°	124.0	124.0	108.7	57.2	32.2	56.4	101.5	110.3	109.5
47.5°	105.1	103.5	88.2	41.9	17.7	42.3	85.4	96.2	95.8
50°	93.8	91.4	75.7	33.0	12.5	35.0	74.9	85.0	85.4
52.5°	85.0	81.3	68.1	29.4	10.9	30.6	68.1	76.1	76.1
55°	75.3	73.3	61.2	26.2	9.7	27.4	61.2	68.5	68.1
57.5°	63.6	63.2	54.8	23.8	8.9	24.2	54.8	59.2	57.6
60°	51.9	53.6	47.5	21.3	8.1	21.7	46.7	50.3	49.5
62.5°	43.5	45.5	41.5	18.9	6.8	19.3	39.5	43.1	42.3
65°	36.2	37.9	34.6	16.1	6.0	16.1	32.6	35.8	35.8
67.5°	29.8	31.0	28.6	13.3	5.2	13.3	26.6	29.4	29.8
70°	23.8	24.6	22.6	10.5	4.4	10.9	20.9	23.8	23.8
72.5°	18.5	18.9	17.7	8.5	4.0	8.5	16.1	18.5	18.5
75°	13.3	14.1	13.3	6.4	3.6	6.4	12.5	13.7	14.1
77.5°	7.7	9.7	9.7	5.2	2.8	4.8	8.9	9.3	9.3
80°	5.2	6.0	6.8	3.6	2.0	3.6	5.6	6.0	5.6
82.5°	3.6	4.0	4.0	2.4	1.6	2.4	3.6	4.0	3.6
85°	2.0	2.8	2.8	2.0	1.2	1.6	2.0	2.4	2.0
87.5°	1.2	1.6	2.0	1.6	1.2	1.2	1.2	1.2	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)