

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: P799344

Luminaire Tested: **LD6C10D010 EU6109050 6LBMDDWWH**

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: P799344  
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 EU6109050 6LBMDDWWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

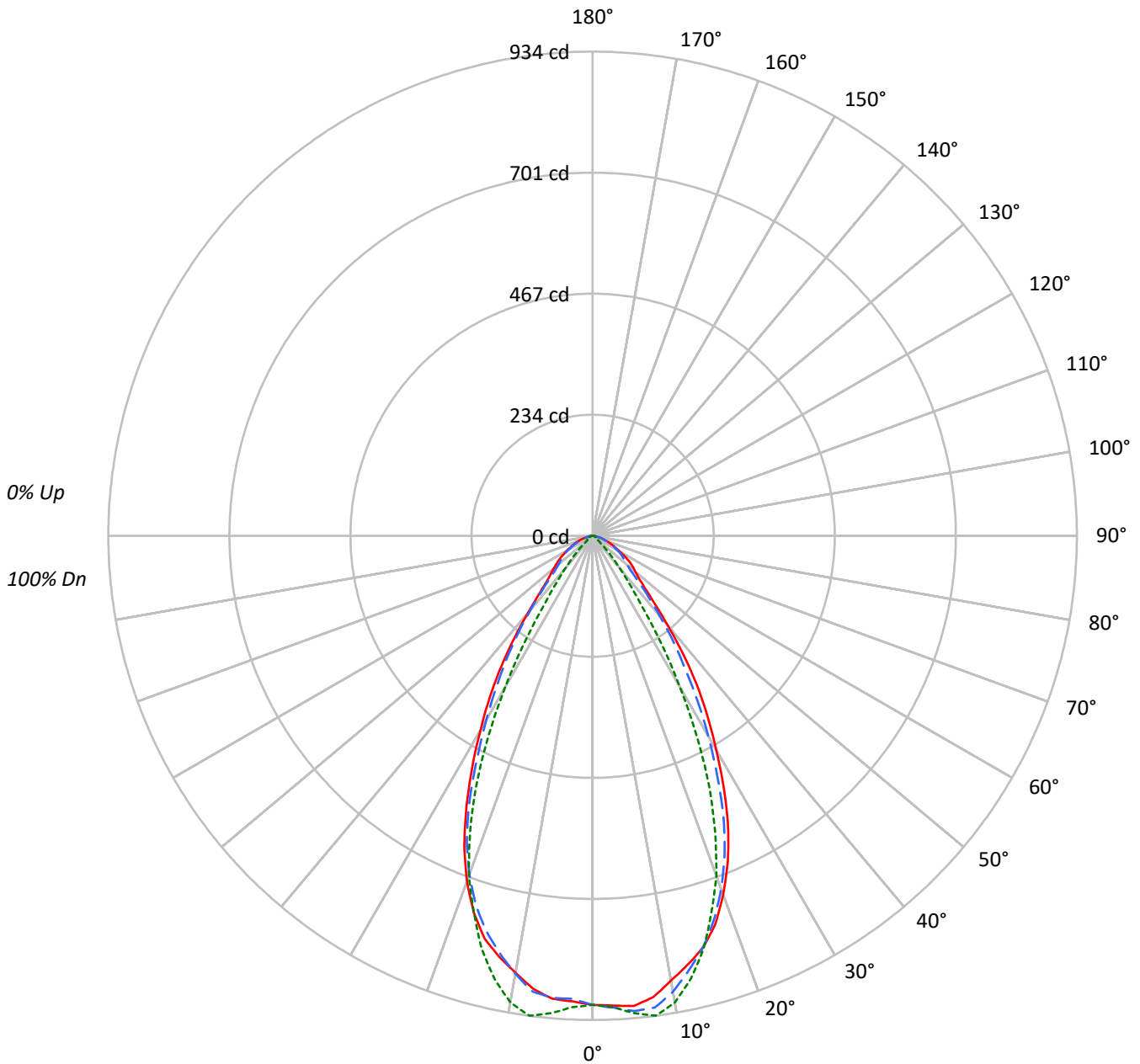
Lumens per Lamp: N/A  
Luminaire Lumens: 921.0 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	49596	49596	49596
5°	50110	50875	49329
10°	48491	50873	47644
15°	46669	46850	45676
20°	42949	40697	41339
25°	37381	32095	34823
30°	30150	21320	27352
35°	23376	10995	20539
40°	16037	5696	13833
45°	10986	2853	9706
50°	9143	1220	8324
55°	8220	1051	7436
60°	6513	1009	6206
65°	5370	895	5318
70°	4344	817	4344
75°	3219	868	3410
80°	1894	726	2020
85°	1447	881	1447



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.1	9.4
10°-20°	226.0	24.5
20°-30°	258.0	28.0
30°-40°	171.1	18.6
40°-50°	82.5	9.0
50°-60°	50.8	5.5
60°-70°	30.7	3.3
70°-80°	12.9	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°	570.1	61.9
0°-40°	741.2	80.5
0°-60°	874.5	95.0
0°-90°	921.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	921.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	905	905	905	905	905	
5°	911	920	924	895	896	86
15°	822	822	826	790	805	229
25°	618	597	531	561	576	280
35°	349	308	164	287	307	216
45°	142	124	37	116	125	116
55°	86	70	11	70	78	76
65°	41	40	7	37	41	42
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°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7
2.5°	907.0	908.3	911.1	911.6	910.2	901.4	894.1	896.8	899.1
5°	910.6	913.4	920.3	926.8	924.5	909.7	895.0	894.5	896.4
7.5°	897.3	903.7	918.0	934.1	933.7	908.3	886.7	881.2	881.2
10°	871.1	877.1	892.7	914.3	913.9	882.1	858.2	855.4	855.9
12.5°	847.6	850.4	858.2	875.2	875.2	843.9	825.5	828.3	832.0
15°	822.3	824.1	822.3	827.8	825.5	799.7	790.5	799.3	804.8
17.5°	786.4	787.3	777.7	770.3	761.6	745.5	747.8	760.6	762.0
20°	736.2	742.2	724.7	705.9	697.6	682.4	695.3	709.6	708.6
22.5°	681.0	687.9	665.4	634.1	617.1	611.1	634.1	647.0	646.5
25°	618.0	623.1	597.3	553.6	530.6	529.6	561.4	574.7	575.7
27.5°	547.1	549.0	520.0	462.9	434.4	441.3	481.3	499.7	502.0
30°	476.3	475.3	445.4	374.6	336.8	355.7	409.5	429.8	432.1
32.5°	411.4	408.6	374.6	289.9	244.8	272.9	343.7	364.9	368.6
35°	349.3	344.7	307.8	214.4	164.3	206.1	287.1	305.5	306.9
37.5°	284.4	282.1	253.1	160.6	114.6	156.5	234.2	247.6	246.2
40°	224.1	224.1	200.2	119.2	79.6	116.4	185.4	197.4	193.3
42.5°	175.8	178.1	157.8	87.9	56.6	86.5	146.8	157.8	153.2
45°	141.7	141.7	124.2	65.3	36.8	64.4	116.0	126.1	125.2
47.5°	120.1	118.3	100.8	47.9	20.2	48.3	97.6	110.0	109.5
50°	107.2	104.5	86.5	37.7	14.3	40.0	85.6	97.1	97.6
52.5°	97.1	93.0	77.8	33.6	12.4	35.0	77.8	87.0	87.0
55°	86.0	83.7	69.9	29.9	11.0	31.3	69.9	78.2	77.8
57.5°	72.7	72.2	62.6	27.1	10.1	27.6	62.6	67.6	65.8
60°	59.4	61.2	54.3	24.4	9.2	24.8	53.4	57.5	56.6
62.5°	49.7	52.0	47.4	21.6	7.8	22.1	45.1	49.2	48.3
65°	41.4	43.3	39.6	18.4	6.9	18.4	37.3	41.0	41.0
67.5°	34.1	35.4	32.7	15.2	6.0	15.2	30.4	33.6	34.1
70°	27.1	28.1	25.8	12.0	5.1	12.4	23.9	27.1	27.1
72.5°	21.2	21.6	20.2	9.7	4.6	9.7	18.4	21.2	21.2
75°	15.2	16.1	15.2	7.4	4.1	7.4	14.3	15.6	16.1
77.5°	8.7	11.0	11.0	6.0	3.2	5.5	10.1	10.6	10.6
80°	6.0	6.9	7.8	4.1	2.3	4.1	6.4	6.9	6.4
82.5°	4.1	4.6	4.6	2.8	1.8	2.8	4.1	4.6	4.1
85°	2.3	3.2	3.2	2.3	1.4	1.8	2.3	2.8	2.3
87.5°	1.4	1.8	2.3	1.8	1.4	1.4	1.4	1.4	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)