

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: P799343

Luminaire Tested: **LD6C10D010 EU6109050 6LBMDDWMW**

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: P799343
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 6LBMDDWMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

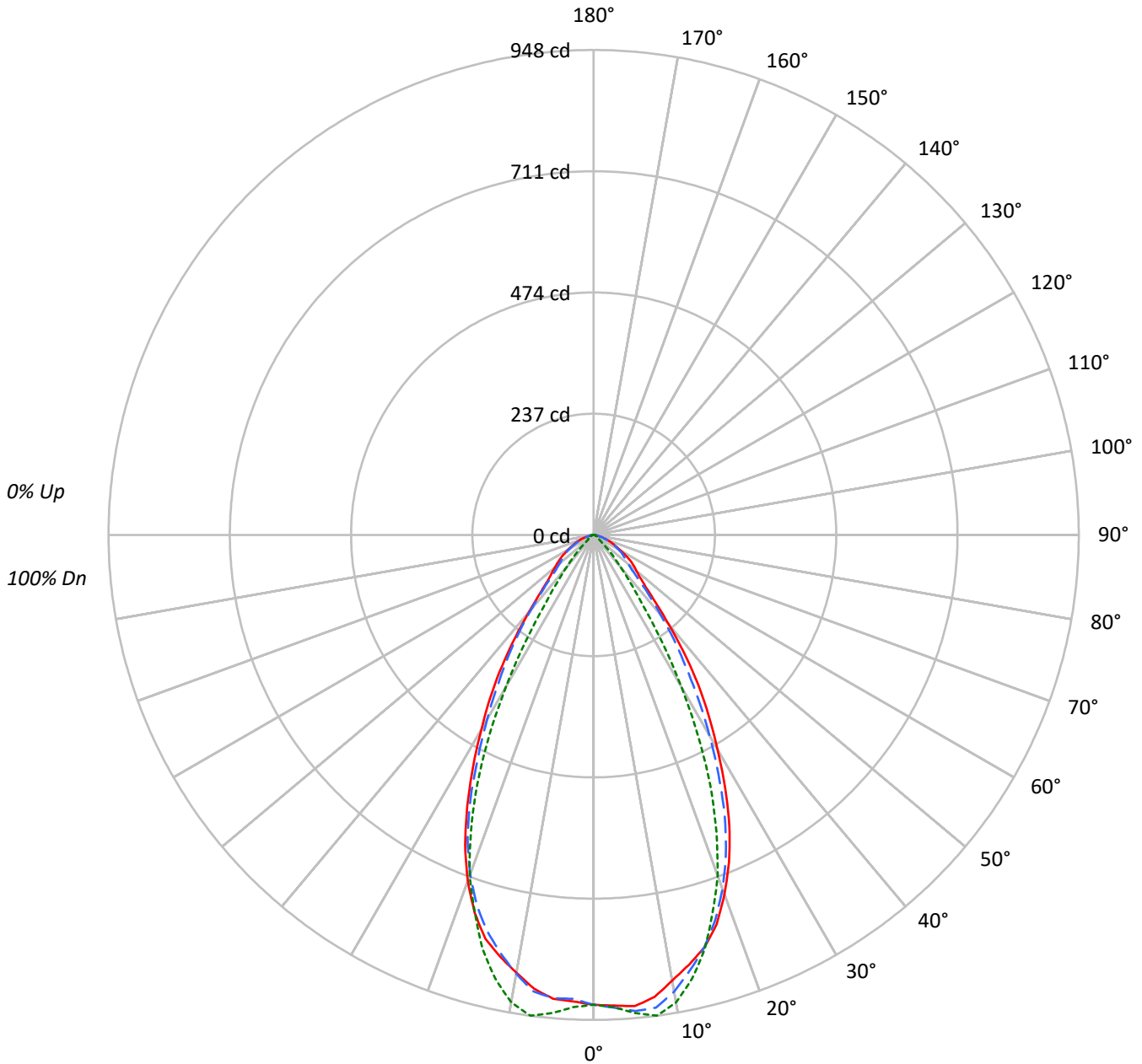
Lumens per Lamp: N/A
Luminaire Lumens: 935.0 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799343

CATALOG NUMBER: LD6C10D010 EU6109050 6LBMDDWMW

Luminous Intensity Polar Plot





TEST NUMBER: P799343

CATALOG NUMBER: LD6C10D010 EU6109050 6LBMDDWMW

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°	50347	50347	50347
5°	50875	51645	50077
10°	49225	51647	48368
15°	47378	47566	46368
20°	43602	41315	41969
25°	37950	32578	35349
30°	30606	21649	27770
35°	23731	11163	20853
40°	16281	5782	14041
45°	11156	2900	9854
50°	9279	1237	8443
55°	8353	1070	7541
60°	6611	1020	6304
65°	5448	908	5396
70°	4424	817	4424
75°	3262	890	3474
80°	1926	726	2052
85°	1447	881	1447



TEST NUMBER: P799343

CATALOG NUMBER: LD6C10D010 EU6109050 6LBMDDWMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	9.4
10°-20°	229.5	24.5
20°-30°	261.9	28.0
30°-40°	173.7	18.6
40°-50°	83.8	9.0
50°-60°	51.5	5.5
60°-70°	31.2	3.3
70°-80°	13.1	1.4
80°-90°	2.9	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°	578.8	61.9
0°-40°	752.5	80.5
0°-60°	887.8	95.0
0°-90°	935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	935.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	918	918	918	918	918	
5°	924	934	938	909	910	87
15°	835	835	838	803	817	233
25°	627	606	539	570	584	284
35°	355	312	167	292	312	219
45°	144	126	37	118	127	117
55°	87	71	11	71	79	77
65°	42	40	7	38	42	42
75°	15	15	4	14	16	16
85°	2	3	1	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P799343

CATALOG NUMBER: LD6C10D010 EU6109050 6LBMDDWMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4	918.4
2.5°	920.8	922.2	925.0	925.4	924.0	915.1	907.7	910.5	912.8
5°	924.5	927.3	934.3	940.8	938.5	923.6	908.6	908.1	910.0
7.5°	910.9	917.5	932.0	948.3	947.8	922.2	900.2	894.6	894.6
10°	884.3	890.4	906.3	928.2	927.8	895.5	871.2	868.4	868.9
12.5°	860.5	863.3	871.2	888.5	888.5	856.8	838.1	840.9	844.6
15°	834.8	836.7	834.8	840.4	838.1	811.9	802.6	811.4	817.0
17.5°	798.4	799.3	789.5	782.0	773.1	756.8	759.1	772.2	773.6
20°	747.4	753.5	735.8	716.6	708.2	692.8	705.9	720.3	719.4
22.5°	691.4	698.4	675.5	643.7	626.4	620.4	643.7	656.8	656.3
25°	627.4	632.5	606.4	562.0	538.6	537.7	569.9	583.5	584.4
27.5°	555.4	557.3	527.9	470.0	441.0	448.0	488.6	507.3	509.7
30°	483.5	482.6	452.2	380.3	342.0	361.1	415.8	436.3	438.7
32.5°	417.6	414.8	380.3	294.3	248.5	277.0	349.0	370.4	374.2
35°	354.6	349.9	312.5	217.7	166.8	209.3	291.5	310.2	311.6
37.5°	288.7	286.4	256.9	163.0	116.3	158.8	237.8	251.3	249.9
40°	227.5	227.5	203.2	121.0	80.8	118.2	188.3	200.4	196.2
42.5°	178.5	180.8	160.2	89.2	57.5	87.8	149.0	160.2	155.6
45°	143.9	143.9	126.1	66.3	37.4	65.4	117.7	128.0	127.1
47.5°	121.9	120.1	102.3	48.6	20.6	49.1	99.0	111.6	111.2
50°	108.8	106.0	87.8	38.3	14.5	40.6	86.9	98.6	99.0
52.5°	98.6	94.4	78.9	34.1	12.6	35.5	78.9	88.3	88.3
55°	87.4	85.0	71.0	30.4	11.2	31.8	71.0	79.4	78.9
57.5°	73.8	73.3	63.5	27.6	10.3	28.0	63.5	68.7	66.8
60°	60.3	62.1	55.1	24.8	9.3	25.2	54.2	58.4	57.5
62.5°	50.5	52.8	48.1	22.0	7.9	22.4	45.8	50.0	49.1
65°	42.0	43.9	40.2	18.7	7.0	18.7	37.8	41.6	41.6
67.5°	34.6	36.0	33.2	15.4	6.1	15.4	30.8	34.1	34.6
70°	27.6	28.5	26.2	12.1	5.1	12.6	24.3	27.6	27.6
72.5°	21.5	22.0	20.6	9.8	4.7	9.8	18.7	21.5	21.5
75°	15.4	16.4	15.4	7.5	4.2	7.5	14.5	15.9	16.4
77.5°	8.9	11.2	11.2	6.1	3.3	5.6	10.3	10.7	10.7
80°	6.1	7.0	7.9	4.2	2.3	4.2	6.5	7.0	6.5
82.5°	4.2	4.7	4.7	2.8	1.9	2.8	4.2	4.7	4.2
85°	2.3	3.3	3.3	2.3	1.4	1.9	2.3	2.8	2.3
87.5°	1.4	1.9	2.3	1.9	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)