

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: P799328

Luminaire Tested: **LD6C10D010 EU6109040 6LBMDDWGPH**

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: P799328
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 EU6109040 6LBMDDWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

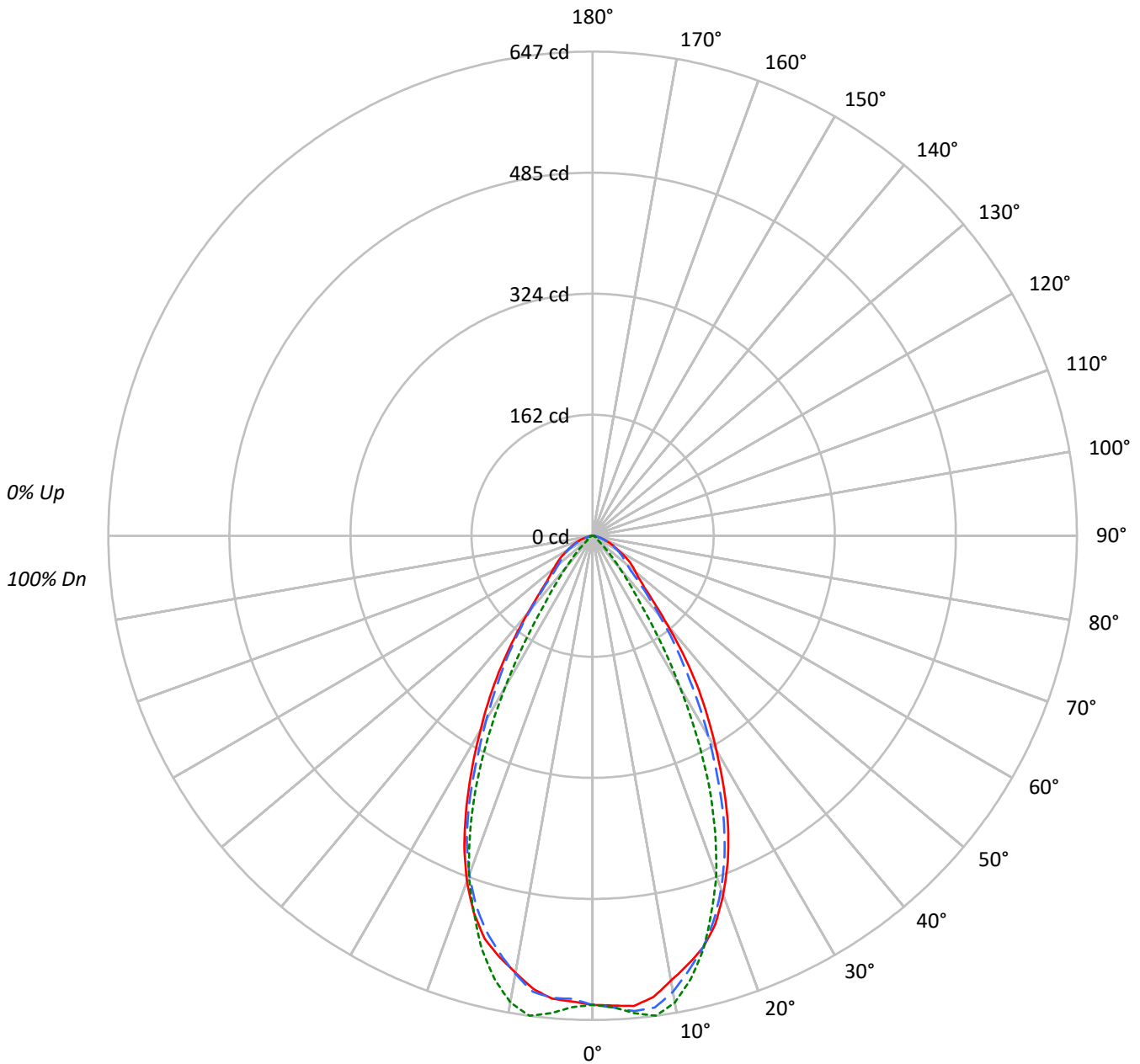
Lumens per Lamp: N/A
Luminaire Lumens: 638.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P799328

CATALOG NUMBER: LD6C10D010 EU6109040 6LBMDDWGPB

Luminous Intensity Polar Plot





TEST NUMBER: P799328

CATALOG NUMBER: LD6C10D010 EU6109040 6LBMDDWGPH

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°	34356	34356	34356
5°	34713	35241	34168
10°	33589	35242	33004
15°	32327	32458	31640
20°	29753	28189	28638
25°	25895	22229	24122
30°	20883	14768	18946
35°	16189	7616	14228
40°	11107	3943	9582
45°	7613	1977	6722
50°	6337	844	5765
55°	5696	736	5152
60°	4506	702	4298
65°	3723	623	3684
70°	3013	561	3013
75°	2224	614	2372
80°	1294	505	1421
85°	1006	629	1006



TEST NUMBER: P799328

CATALOG NUMBER: LD6C10D010 EU6109040 6LBMDDWGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	9.3
10°-20°	156.6	24.5
20°-30°	178.7	28.0
30°-40°	118.5	18.6
40°-50°	57.2	9.0
50°-60°	35.2	5.5
60°-70°	21.3	3.3
70°-80°	9.0	1.4
80°-90°	2.0	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°	394.9	61.9
0°-40°	513.5	80.5
0°-60°	605.8	94.9
0°-90°	638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	627	627	627	627	627	
5°	631	638	640	620	621	59
15°	570	570	572	548	558	159
25°	428	414	368	389	399	194
35°	242	213	114	199	213	150
45°	98	86	26	80	87	80
55°	60	48	8	48	54	52
65°	29	27	5	26	28	29
75°	10	10	3	10	11	11
85°	2	2	1	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P799328

CATALOG NUMBER: LD6C10D010 EU6109040 6LBMDDWGPH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7	626.7
2.5°	628.3	629.2	631.1	631.5	630.5	624.5	619.4	621.3	622.9
5°	630.8	632.7	637.5	642.0	640.4	630.2	620.0	619.7	620.9
7.5°	621.6	626.0	635.9	647.1	646.8	629.2	614.3	610.4	610.4
10°	603.4	607.6	618.4	633.4	633.1	611.1	594.5	592.6	592.9
12.5°	587.2	589.1	594.5	606.3	606.3	584.6	571.9	573.8	576.3
15°	569.6	570.9	569.6	573.5	571.9	554.0	547.6	553.7	557.5
17.5°	544.8	545.4	538.7	533.6	527.5	516.4	518.0	526.9	527.9
20°	510.0	514.2	502.0	489.0	483.2	472.7	481.6	491.5	490.9
22.5°	471.8	476.5	460.9	439.3	427.5	423.3	439.3	448.2	447.9
25°	428.1	431.6	413.8	383.5	367.5	366.9	388.9	398.1	398.8
27.5°	379.0	380.3	360.2	320.7	300.9	305.7	333.4	346.2	347.8
30°	329.9	329.3	308.6	259.5	233.3	246.4	283.7	297.7	299.3
32.5°	285.0	283.1	259.5	200.8	169.6	189.0	238.1	252.8	255.3
35°	241.9	238.8	213.3	148.5	113.8	142.8	198.9	211.7	212.6
37.5°	197.0	195.4	175.3	111.2	79.4	108.4	162.2	171.5	170.5
40°	155.2	155.2	138.7	82.6	55.1	80.6	128.5	136.7	133.9
42.5°	121.8	123.4	109.3	60.9	39.2	59.9	101.7	109.3	106.1
45°	98.2	98.2	86.1	45.3	25.5	44.6	80.3	87.3	86.7
47.5°	83.2	81.9	69.8	33.2	14.0	33.5	67.6	76.2	75.9
50°	74.3	72.4	59.9	26.1	9.9	27.7	59.3	67.3	67.6
52.5°	67.3	64.4	53.9	23.3	8.6	24.2	53.9	60.2	60.2
55°	59.6	58.0	48.5	20.7	7.7	21.7	48.5	54.2	53.9
57.5°	50.4	50.0	43.4	18.8	7.0	19.1	43.4	46.9	45.6
60°	41.1	42.4	37.6	16.9	6.4	17.2	37.0	39.8	39.2
62.5°	34.4	36.0	32.8	15.0	5.4	15.3	31.2	34.1	33.5
65°	28.7	30.0	27.4	12.8	4.8	12.8	25.8	28.4	28.4
67.5°	23.6	24.5	22.6	10.5	4.1	10.5	21.0	23.3	23.6
70°	18.8	19.4	17.9	8.3	3.5	8.6	16.6	18.8	18.8
72.5°	14.7	15.0	14.0	6.7	3.2	6.7	12.8	14.7	14.7
75°	10.5	11.2	10.5	5.1	2.9	5.1	9.9	10.8	11.2
77.5°	6.1	7.7	7.7	4.1	2.2	3.8	7.0	7.3	7.3
80°	4.1	4.8	5.4	2.9	1.6	2.9	4.5	4.8	4.5
82.5°	2.9	3.2	3.2	1.9	1.3	1.9	2.9	3.2	2.9
85°	1.6	2.2	2.2	1.6	1.0	1.3	1.6	1.9	1.6
87.5°	1.0	1.3	1.6	1.3	1.0	1.0	1.0	1.0	0.6
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)