

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: P799388

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDDWGPB**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799388
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: LD6C15D010 EU6159040 6LBMDDWGPH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

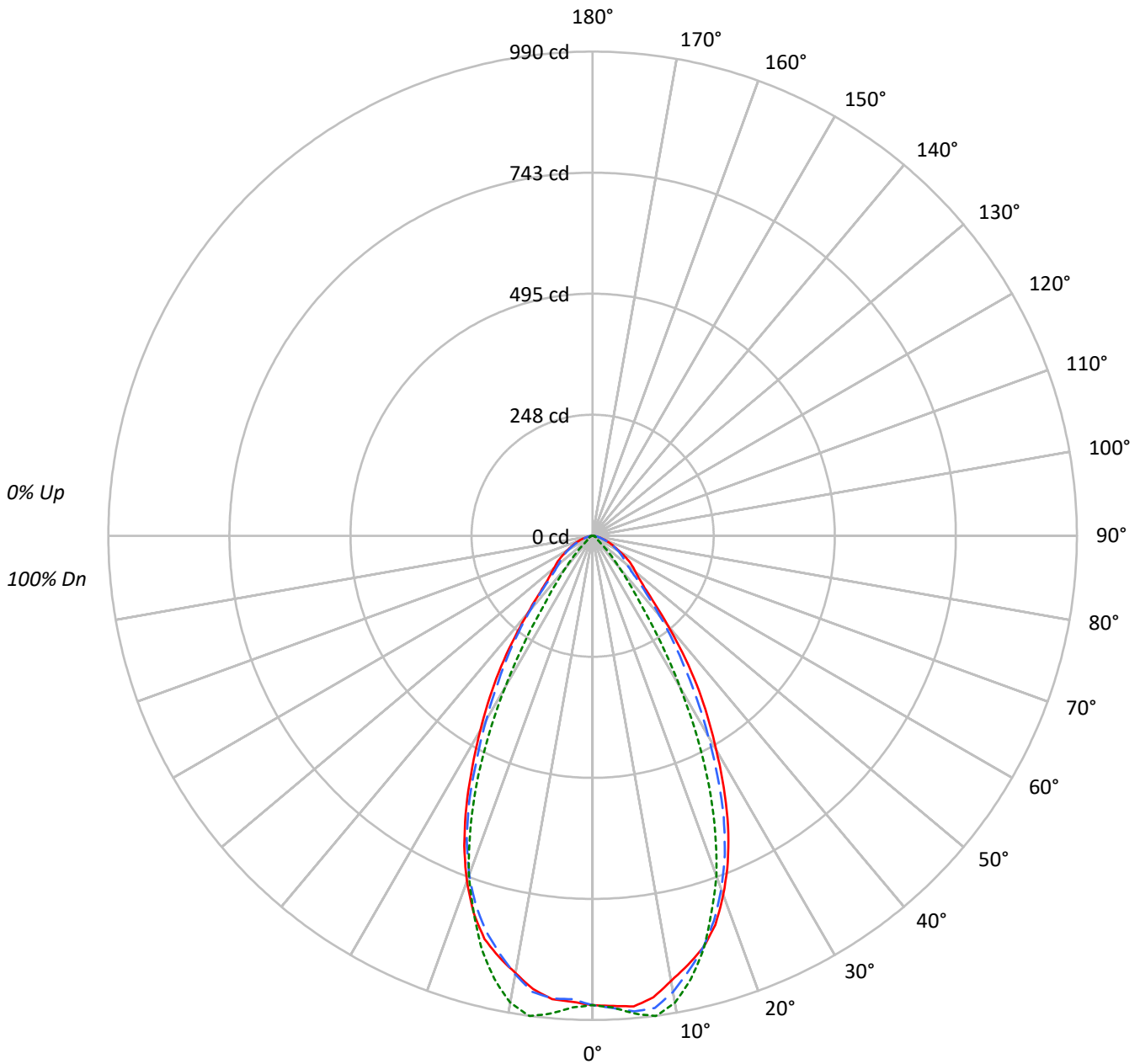
Lumens per Lamp: N/A
Luminaire Lumens: 977.0 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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: P799388

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDDWGPB

Luminous Intensity Polar Plot





TEST NUMBER: P799388

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDDWGPH

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°	52611	52611	52611
5°	53159	53968	52328
10°	51435	53962	50539
15°	49507	49699	48451
20°	45562	43170	43853
25°	39656	34042	36940
30°	31980	22617	29017
35°	24795	11665	21790
40°	17010	6040	14670
45°	11652	3031	10296
50°	9697	1288	8827
55°	8726	1118	7885
60°	6907	1074	6578
65°	5695	947	5630
70°	4616	866	4616
75°	3410	932	3622
80°	1989	758	2147
85°	1510	943	1510



TEST NUMBER: P799388

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDDWGPH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	9.4
10°-20°	239.8	24.5
20°-30°	273.7	28.0
30°-40°	181.5	18.6
40°-50°	87.5	9.0
50°-60°	53.9	5.5
60°-70°	32.6	3.3
70°-80°	13.7	1.4
80°-90°	3.0	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°	604.8	61.9
0°-40°	786.3	80.5
0°-60°	927.7	95.0
0°-90°	977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	977.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	960	960	960	960	960	
5°	966	976	981	949	951	91
15°	872	872	876	839	854	243
25°	656	634	563	596	611	297
35°	370	327	174	305	326	229
45°	150	132	39	123	133	123
55°	91	74	12	74	82	80
65°	44	42	7	40	43	44
75°	16	16	4	15	17	17
85°	2	3	2	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P799388

CATALOG NUMBER: LD6C15D010 EU6159040 6LBMDDWGPH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	959.7	959.7	959.7	959.7	959.7	959.7	959.7	959.7	959.7
2.5°	962.1	963.6	966.5	967.0	965.5	956.3	948.4	951.4	953.8
5°	966.0	968.9	976.3	983.1	980.7	965.0	949.4	948.9	950.9
7.5°	951.9	958.7	973.8	990.9	990.4	963.6	940.6	934.8	934.8
10°	924.0	930.4	947.0	969.9	969.4	935.8	910.4	907.4	907.9
12.5°	899.1	902.1	910.4	928.4	928.4	895.2	875.7	878.6	882.5
15°	872.3	874.2	872.3	878.2	875.7	848.4	838.6	847.9	853.7
17.5°	834.2	835.2	824.9	817.1	807.9	790.8	793.2	806.9	808.4
20°	781.0	787.4	768.8	748.8	740.0	723.9	737.6	752.7	751.7
22.5°	722.4	729.8	705.8	672.6	654.6	648.2	672.6	686.3	685.8
25°	655.6	660.9	633.6	587.2	562.8	561.8	595.5	609.7	610.7
27.5°	580.4	582.3	551.6	491.1	460.8	468.1	510.6	530.1	532.6
30°	505.2	504.2	472.5	397.3	357.3	377.3	434.4	455.9	458.4
32.5°	436.4	433.5	397.3	307.5	259.7	289.5	364.6	387.1	391.0
35°	370.5	365.6	326.6	227.5	174.3	218.7	304.6	324.1	325.6
37.5°	301.7	299.2	268.5	170.4	121.5	166.0	248.5	262.6	261.2
40°	237.7	237.7	212.3	126.4	84.4	123.5	196.7	209.4	205.0
42.5°	186.5	188.9	167.4	93.2	60.0	91.8	155.7	167.4	162.5
45°	150.3	150.3	131.8	69.3	39.1	68.3	123.0	133.7	132.8
47.5°	127.4	125.5	106.9	50.8	21.5	51.3	103.5	116.7	116.2
50°	113.7	110.8	91.8	40.0	15.1	42.5	90.8	103.0	103.5
52.5°	103.0	98.6	82.5	35.6	13.2	37.1	82.5	92.3	92.3
55°	91.3	88.8	74.2	31.7	11.7	33.2	74.2	83.0	82.5
57.5°	77.1	76.6	66.4	28.8	10.7	29.3	66.4	71.8	69.8
60°	63.0	64.9	57.6	25.9	9.8	26.4	56.6	61.0	60.0
62.5°	52.7	55.2	50.3	22.9	8.3	23.4	47.8	52.2	51.3
65°	43.9	45.9	42.0	19.5	7.3	19.5	39.5	43.4	43.4
67.5°	36.1	37.6	34.7	16.1	6.3	16.1	32.2	35.6	36.1
70°	28.8	29.8	27.3	12.7	5.4	13.2	25.4	28.8	28.8
72.5°	22.5	22.9	21.5	10.3	4.9	10.3	19.5	22.5	22.5
75°	16.1	17.1	16.1	7.8	4.4	7.8	15.1	16.6	17.1
77.5°	9.3	11.7	11.7	6.3	3.4	5.9	10.7	11.2	11.2
80°	6.3	7.3	8.3	4.4	2.4	4.4	6.8	7.3	6.8
82.5°	4.4	4.9	4.9	2.9	2.0	2.9	4.4	4.9	4.4
85°	2.4	3.4	3.4	2.4	1.5	2.0	2.4	2.9	2.4
87.5°	1.5	2.0	2.4	2.0	1.5	1.5	1.5	1.5	1.0
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)