

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: P799346

Luminaire Tested: **LD6C10D010 EU6109050 6LBMDSWGPH**

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: P799346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10D010 EU6109050 6LBMDSWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

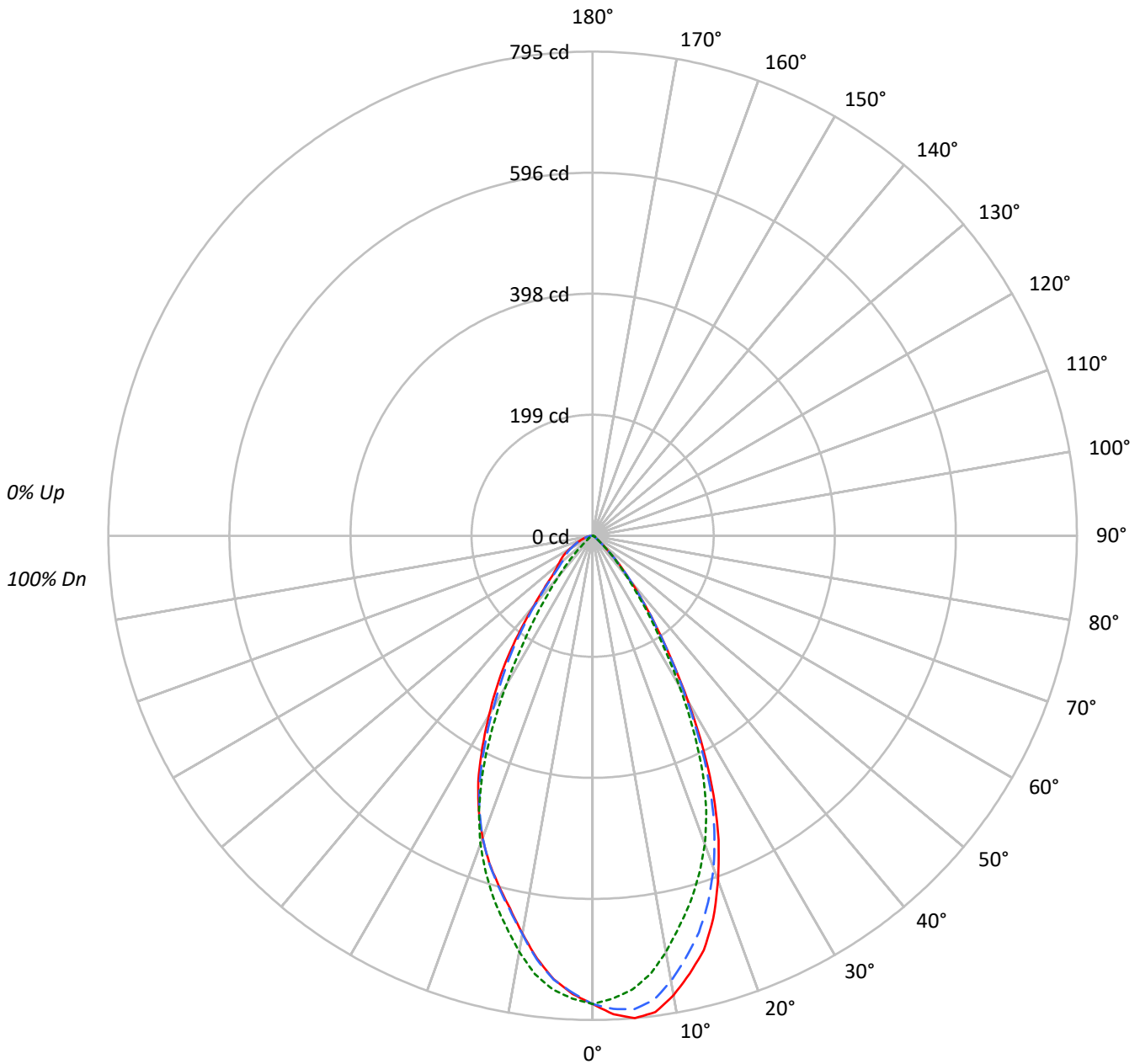
Lumens per Lamp: N/A
Luminaire Lumens: 662.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799346

CATALOG NUMBER: LD6C10D010 EU6109050 6LBMDSWGPB

Luminous Intensity Polar Plot





TEST NUMBER: P799346

CATALOG NUMBER: LD6C10D010 EU6109050 6LBMDSWGPH

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				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	42151	42151	42151
5°	43754	41162	40232
10°	42634	38610	36912
15°	39989	35278	33757
20°	35102	31409	30809
25°	28393	25804	26868
30°	19737	17971	21503
35°	12167	11009	16229
40°	6884	6169	10777
45°	3341	3186	7357
50°	1271	1271	6251
55°	698	822	5773
60°	504	658	4725
65°	428	558	3878
70°	369	481	3190
75°	360	487	2732
80°	221	410	1989
85°	189	818	1887



TEST NUMBER: P799346

CATALOG NUMBER: LD6C10D010 EU6109050 6LBMDSWGPB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	10.6
10°-20°	176.9	26.7
20°-30°	199.2	30.1
30°-40°	123.3	18.6
40°-50°	49.1	7.4
50°-60°	22.4	3.4
60°-70°	12.8	1.9
70°-80°	6.1	0.9
80°-90°	1.8	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°	446.5	67.4
0°-40°	569.8	86.1
0°-60°	641.3	96.9
0°-90°	662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	769	769	769	769	769	
5°	795	780	748	732	731	75
15°	705	674	622	596	595	195
25°	469	457	427	437	444	211
35°	182	181	164	229	242	117
45°	43	43	41	90	95	37
55°	7	7	9	53	60	7
65°	3	3	4	30	30	3
75°	2	2	2	13	13	2
85°	0	0	1	3	3	0
90°	0	0	0	0	0	



TEST NUMBER: P799346

CATALOG NUMBER: LD6C10D010 EU6109050 6LBMDSWGPB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9	768.9
2.5°	786.5	779.2	777.5	771.2	760.6	754.6	751.0	748.3	753.0
5°	795.1	787.1	780.5	767.6	748.0	737.1	731.8	727.4	731.1
7.5°	788.8	777.5	768.6	750.7	725.8	708.9	701.6	696.6	699.9
10°	765.9	752.3	742.0	720.8	693.6	673.4	664.4	659.8	663.1
12.5°	736.1	724.8	709.2	686.0	656.8	635.6	628.9	625.3	626.6
15°	704.6	691.3	674.0	650.8	621.6	600.4	596.4	594.1	594.8
17.5°	658.8	645.8	630.9	608.4	581.5	564.2	564.2	562.6	563.6
20°	601.7	594.8	580.2	561.3	538.4	522.8	527.8	526.1	528.1
22.5°	540.0	534.7	522.1	506.5	487.3	475.0	486.0	485.6	488.3
25°	469.4	465.4	456.8	443.5	426.6	419.0	437.2	437.2	444.2
27.5°	391.4	387.4	381.5	370.2	356.3	353.9	380.8	384.1	391.7
30°	311.8	309.2	305.8	295.6	283.9	288.3	325.4	331.0	339.7
32.5°	240.8	239.2	238.2	228.9	218.6	232.9	275.3	282.6	291.2
35°	181.8	178.1	180.8	173.8	164.5	182.4	229.2	235.5	242.5
37.5°	134.0	131.4	133.7	128.7	120.4	140.0	184.1	188.1	192.7
40°	96.2	93.9	95.9	92.9	86.2	104.5	144.3	148.6	150.6
42.5°	68.3	64.4	66.3	64.0	60.7	78.6	113.4	117.4	118.1
45°	43.1	41.8	43.1	41.8	41.1	58.4	89.6	93.2	94.9
47.5°	26.2	24.5	24.5	23.9	24.5	43.1	74.0	79.3	81.9
50°	14.9	14.3	13.9	13.6	14.9	33.8	64.0	70.0	73.3
52.5°	10.0	9.6	9.6	9.3	10.9	28.5	57.7	63.0	66.3
55°	7.3	7.0	7.0	7.0	8.6	24.5	53.1	57.4	60.4
57.5°	5.6	5.6	5.6	5.3	7.3	20.9	47.4	49.8	52.1
60°	4.6	4.3	4.3	4.3	6.0	17.9	40.8	41.8	43.1
62.5°	3.6	3.6	3.6	3.6	5.0	15.9	35.2	35.2	35.8
65°	3.3	3.0	3.0	3.0	4.3	13.9	29.5	29.2	29.9
67.5°	2.7	2.7	2.7	2.7	3.6	11.9	24.2	23.9	24.5
70°	2.3	2.3	2.3	2.3	3.0	10.0	19.6	19.2	19.9
72.5°	2.0	2.0	2.0	2.0	2.7	8.3	15.6	15.6	15.9
75°	1.7	1.7	1.7	1.7	2.3	6.3	12.6	12.6	12.9
77.5°	1.3	1.3	1.3	1.3	1.7	5.0	9.6	9.3	9.3
80°	0.7	1.0	1.0	1.0	1.3	3.6	7.0	6.3	6.3
82.5°	0.3	0.7	0.7	0.7	1.3	2.7	4.6	4.3	4.3
85°	0.3	0.3	0.3	1.0	1.3	2.0	3.0	3.0	3.0
87.5°	0.0	0.3	0.7	1.3	1.7	1.7	2.0	1.7	1.7
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)