

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: P799290

Luminaire Tested: **LD6C08D010 EU6089050 6LBMDSWWH**

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: P799290
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: LD6C08D010 EU6089050 6LBMDSWWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

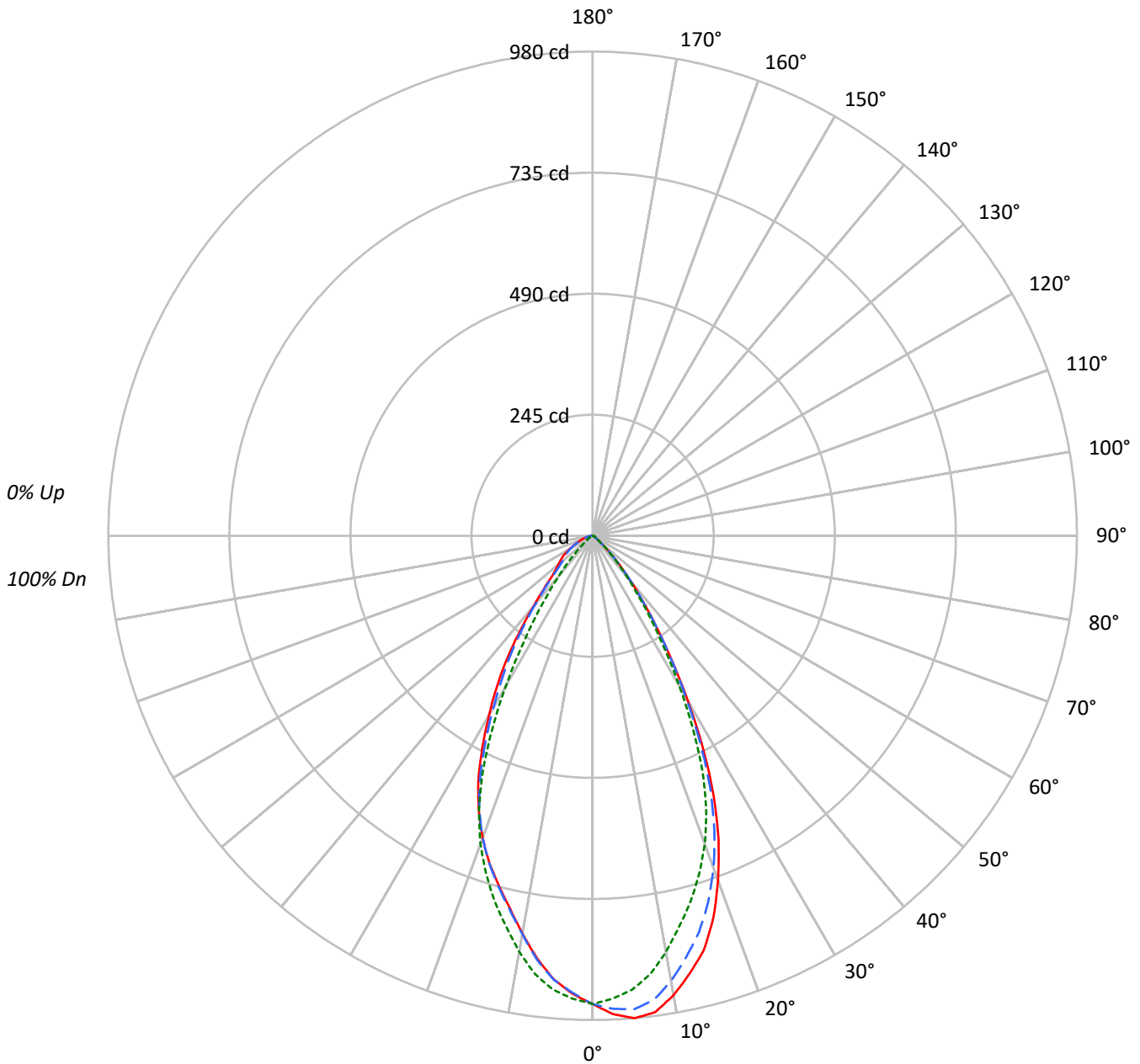
Lumens per Lamp: N/A
Luminaire Lumens: 816.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P799290

CATALOG NUMBER: LD6C08D010 EU6089050 6LBMDSWWH

Luminous Intensity Polar Plot





TEST NUMBER: P799290

CATALOG NUMBER: LD6C08D010 EU6089050 6LBMDSWWH

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°	51959	51959	51959
5°	53934	50737	49593
10°	52554	47594	45496
15°	49291	43485	41606
20°	43270	38713	37972
25°	34998	31804	33117
30°	24327	22155	26504
35°	14997	13572	20003
40°	8487	7607	13282
45°	4124	3931	9063
50°	1569	1569	7710
55°	860	1013	7111
60°	625	811	5833
65°	532	687	4774
70°	465	593	3927
75°	424	614	3368
80°	253	505	2462
85°	252	1006	2327



TEST NUMBER: P799290

CATALOG NUMBER: LD6C08D010 EU6089050 6LBMDSWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	10.6
10°-20°	218.1	26.7
20°-30°	245.5	30.1
30°-40°	152.0	18.6
40°-50°	60.5	7.4
50°-60°	27.6	3.4
60°-70°	15.8	1.9
70°-80°	7.5	0.9
80°-90°	2.2	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°	550.3	67.4
0°-40°	702.3	86.1
0°-60°	790.5	96.9
0°-90°	816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	816.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	948	948	948	948	948	
5°	980	962	922	902	901	92
15°	868	831	766	735	733	240
25°	579	563	526	539	548	260
35°	224	223	203	282	299	144
45°	53	53	51	110	117	45
55°	9	9	11	65	74	9
65°	4	4	5	36	37	4
75°	2	2	3	16	16	2
85°	0	0	2	4	4	0
90°	0	0	0	0	0	



TEST NUMBER: P799290

CATALOG NUMBER: LD6C08D010 EU6089050 6LBMSWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	947.8	947.8	947.8	947.8	947.8	947.8	947.8	947.8	947.8
2.5°	969.4	960.4	958.4	950.6	937.6	930.2	925.7	922.4	928.1
5°	980.1	970.3	962.1	946.1	922.0	908.5	902.0	896.7	901.2
7.5°	972.3	958.4	947.4	925.3	894.6	873.8	864.8	858.6	862.7
10°	944.1	927.3	914.7	888.5	855.0	830.0	819.0	813.3	817.3
12.5°	907.3	893.4	874.2	845.6	809.6	783.4	775.2	770.7	772.4
15°	868.5	852.1	830.8	802.2	766.2	740.1	735.2	732.3	733.1
17.5°	812.0	796.1	777.7	749.9	716.8	695.5	695.5	693.5	694.7
20°	741.7	733.1	715.1	691.8	663.6	644.4	650.5	648.5	650.9
22.5°	665.6	659.1	643.6	624.4	600.6	585.5	599.0	598.6	601.9
25°	578.6	573.7	563.0	546.7	525.8	516.4	538.9	538.9	547.5
27.5°	482.5	477.6	470.2	456.3	439.1	436.3	469.4	473.5	482.9
30°	384.3	381.1	377.0	364.3	350.0	355.3	401.1	408.1	418.7
32.5°	296.8	294.8	293.6	282.1	269.4	287.0	339.4	348.4	359.0
35°	224.1	219.6	222.8	214.3	202.8	224.9	282.5	290.3	298.9
37.5°	165.2	161.9	164.8	158.6	148.4	172.5	226.9	231.8	237.6
40°	118.6	115.7	118.2	114.5	106.3	128.8	177.9	183.2	185.6
42.5°	84.2	79.3	81.8	78.9	74.8	96.9	139.8	144.7	145.6
45°	53.2	51.5	53.2	51.5	50.7	72.0	110.4	114.9	116.9
47.5°	32.3	30.3	30.3	29.4	30.3	53.2	91.2	97.7	101.0
50°	18.4	17.6	17.2	16.8	18.4	41.7	78.9	86.3	90.4
52.5°	12.3	11.9	11.9	11.4	13.5	35.2	71.1	77.7	81.8
55°	9.0	8.6	8.6	8.6	10.6	30.3	65.4	70.7	74.4
57.5°	7.0	7.0	7.0	6.5	9.0	25.8	58.5	61.3	64.2
60°	5.7	5.3	5.3	5.3	7.4	22.1	50.3	51.5	53.2
62.5°	4.5	4.5	4.5	4.5	6.1	19.6	43.3	43.3	44.2
65°	4.1	3.7	3.7	3.7	5.3	17.2	36.4	36.0	36.8
67.5°	3.3	3.3	3.3	3.3	4.5	14.7	29.8	29.4	30.3
70°	2.9	2.9	2.9	2.9	3.7	12.3	24.1	23.7	24.5
72.5°	2.5	2.5	2.5	2.5	3.3	10.2	19.2	19.2	19.6
75°	2.0	2.0	2.0	2.0	2.9	7.8	15.5	15.5	15.9
77.5°	1.6	1.6	1.6	1.6	2.0	6.1	11.9	11.4	11.4
80°	0.8	1.2	1.2	1.2	1.6	4.5	8.6	7.8	7.8
82.5°	0.4	0.8	0.8	0.8	1.6	3.3	5.7	5.3	5.3
85°	0.4	0.4	0.4	1.2	1.6	2.5	3.7	3.7	3.7
87.5°	0.0	0.4	0.8	1.6	2.0	2.0	2.5	2.0	2.0
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)