

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: P799239

Luminaire Tested: **LD6C08D010 EU6089027 6LBMDSWH**

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: P799239
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 EU6089027 6LBMDSWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

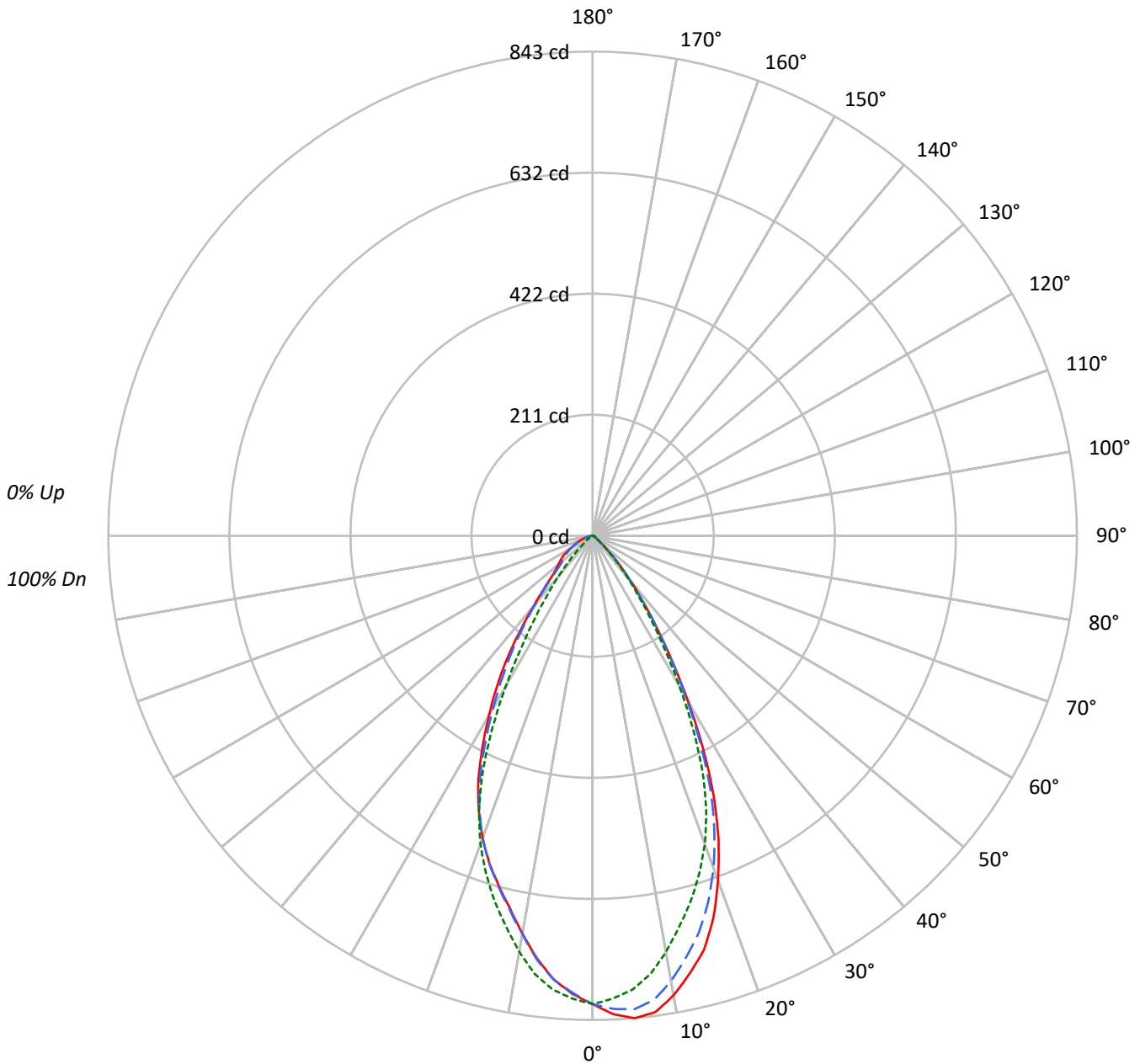
Lumens per Lamp: N/A
Luminaire Lumens: 702.0 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (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: P799239

CATALOG NUMBER: LD6C08D010 EU6089027 6LBMSWH

Luminous Intensity Polar Plot





TEST NUMBER: P799239

CATALOG NUMBER: LD6C08D010 EU6089027 6LBMDSWH

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	57	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°	44700	44700	44700
5°	46401	43649	42664
10°	45212	40942	39144
15°	42401	37412	35795
20°	37226	33305	32670
25°	30105	27364	28490
30°	20927	19060	22801
35°	12903	11678	17206
40°	7299	6548	11429
45°	3543	3380	7799
50°	1348	1348	6627
55°	736	870	6117
60°	537	691	5011
65°	454	597	4112
70°	401	513	3382
75°	381	530	2902
80°	221	442	2115
85°	252	881	2013



TEST NUMBER: P799239

CATALOG NUMBER: LD6C08D010 EU6089027 6LBMDSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	10.6
10°-20°	187.6	26.7
20°-30°	211.2	30.1
30°-40°	130.8	18.6
40°-50°	52.1	7.4
50°-60°	23.7	3.4
60°-70°	13.6	1.9
70°-80°	6.5	0.9
80°-90°	1.9	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°	473.4	67.4
0°-40°	604.2	86.1
0°-60°	680.0	96.9
0°-90°	702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	815	815	815	815	815	
5°	843	828	793	776	775	79
15°	747	715	659	632	631	207
25°	498	484	452	464	471	224
35°	193	192	174	243	257	124
45°	46	46	44	95	101	39
55°	8	7	9	56	64	8
65°	4	3	5	31	32	3
75°	2	2	2	13	14	2
85°	0	0	1	3	3	0
90°	0	0	0	0	0	



TEST NUMBER: P799239

CATALOG NUMBER: LD6C08D010 EU6089027 6LBMSWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4	815.4
2.5°	834.0	826.3	824.5	817.8	806.6	800.2	796.4	793.6	798.5
5°	843.2	834.7	827.7	814.0	793.2	781.6	776.0	771.4	775.3
7.5°	836.5	824.5	815.0	796.0	769.6	751.7	744.0	738.7	742.2
10°	812.2	797.8	786.9	764.4	735.5	714.1	704.6	699.6	703.2
12.5°	780.5	768.6	752.0	727.4	696.5	674.0	666.9	663.1	664.5
15°	747.1	733.1	714.8	690.1	659.2	636.7	632.5	630.0	630.7
17.5°	698.6	684.9	669.0	645.1	616.6	598.3	598.3	596.6	597.6
20°	638.1	630.7	615.2	595.2	570.9	554.4	559.6	557.9	560.0
22.5°	572.7	567.0	553.7	537.1	516.7	503.7	515.3	515.0	517.8
25°	497.7	493.5	484.4	470.3	452.4	444.3	463.6	463.6	471.0
27.5°	415.1	410.8	404.5	392.6	377.8	375.3	403.8	407.3	415.4
30°	330.6	327.8	324.3	313.4	301.1	305.7	345.1	351.0	360.2
32.5°	255.4	253.6	252.6	242.7	231.8	246.9	292.0	299.7	308.8
35°	192.8	188.9	191.7	184.3	174.5	193.5	243.1	249.7	257.1
37.5°	142.1	139.3	141.8	136.5	127.7	148.4	195.2	199.4	204.4
40°	102.0	99.5	101.7	98.5	91.5	110.8	153.0	157.6	159.7
42.5°	72.5	68.2	70.4	67.9	64.4	83.4	120.3	124.5	125.2
45°	45.7	44.3	45.7	44.3	43.6	61.9	95.0	98.8	100.6
47.5°	27.8	26.0	26.0	25.3	26.0	45.7	78.4	84.1	86.9
50°	15.8	15.1	14.8	14.4	15.8	35.9	67.9	74.2	77.7
52.5°	10.6	10.2	10.2	9.8	11.6	30.3	61.2	66.8	70.4
55°	7.7	7.4	7.4	7.4	9.1	26.0	56.3	60.9	64.0
57.5°	6.0	6.0	6.0	5.6	7.7	22.2	50.3	52.8	55.2
60°	4.9	4.6	4.6	4.6	6.3	19.0	43.3	44.3	45.7
62.5°	3.9	3.9	3.9	3.9	5.3	16.9	37.3	37.3	38.0
65°	3.5	3.2	3.2	3.2	4.6	14.8	31.3	31.0	31.7
67.5°	2.8	2.8	2.8	2.8	3.9	12.7	25.7	25.3	26.0
70°	2.5	2.5	2.5	2.5	3.2	10.6	20.8	20.4	21.1
72.5°	2.1	2.1	2.1	2.1	2.8	8.8	16.5	16.5	16.9
75°	1.8	1.8	1.8	1.8	2.5	6.7	13.4	13.4	13.7
77.5°	1.4	1.4	1.4	1.4	1.8	5.3	10.2	9.8	9.8
80°	0.7	1.1	1.1	1.1	1.4	3.9	7.4	6.7	6.7
82.5°	0.4	0.7	0.7	0.7	1.4	2.8	4.9	4.6	4.6
85°	0.4	0.4	0.4	1.1	1.4	2.1	3.2	3.2	3.2
87.5°	0.0	0.4	0.7	1.4	1.8	1.8	2.1	1.8	1.8
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)