

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: P799259

Luminaire Tested: **LD6C08D010 EU6089035 6LBMDDWMW**

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: P799259
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: LD6C08D010 EU6089035 6LBMDDWMW
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

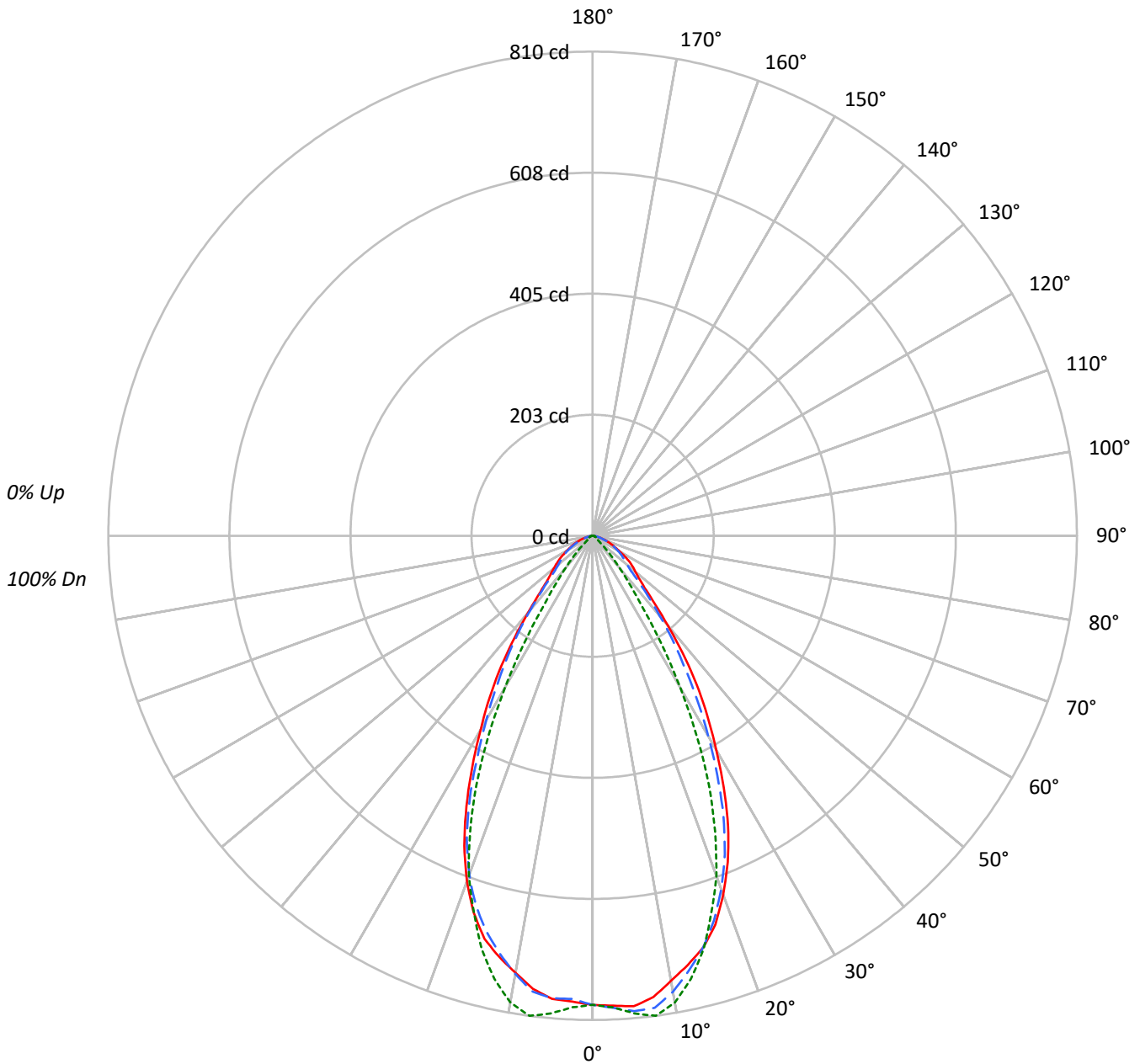
Lumens per Lamp: N/A
Luminaire Lumens: 799.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P799259

CATALOG NUMBER: LD6C08D010 EU6089035 6LBMDDWMW

Luminous Intensity Polar Plot





TEST NUMBER: P799259

CATALOG NUMBER: LD6C08D010 EU6089035 6LBMDDWMW

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°	43023	43023	43023
5°	43473	44134	42791
10°	42067	44132	41332
15°	40488	40647	39626
20°	37261	35306	35866
25°	32427	27842	30207
30°	26156	18497	23725
35°	20278	9537	17822
40°	13912	4945	12001
45°	9536	2473	8419
50°	7932	1058	7215
55°	7140	918	6451
60°	5646	877	5383
65°	4657	778	4605
70°	3783	705	3783
75°	2796	763	2965
80°	1642	631	1768
85°	1258	755	1258



TEST NUMBER: P799259

CATALOG NUMBER: LD6C08D010 EU6089035 6LBMDDWMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	9.3
10°-20°	196.1	24.5
20°-30°	223.8	28.0
30°-40°	148.4	18.6
40°-50°	71.6	9.0
50°-60°	44.0	5.5
60°-70°	26.6	3.3
70°-80°	11.2	1.4
80°-90°	2.5	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°	494.6	61.9
0°-40°	643.0	80.5
0°-60°	758.7	94.9
0°-90°	799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	785	785	785	785	785	
5°	790	798	802	776	778	74
15°	713	713	716	686	698	199
25°	536	518	460	487	499	243
35°	303	267	142	249	266	187
45°	123	108	32	101	109	100
55°	75	61	10	61	68	66
65°	36	34	6	32	36	36
75°	13	13	4	12	14	14
85°	2	3	1	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P799259

CATALOG NUMBER: LD6C08D010 EU6089035 6LBMDDWMW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	784.8	784.8	784.8	784.8	784.8	784.8	784.8	784.8	784.8
2.5°	786.8	788.0	790.4	790.8	789.6	782.0	775.6	778.0	780.0
5°	790.0	792.4	798.4	804.0	802.0	789.2	776.4	776.0	777.6
7.5°	778.4	784.0	796.4	810.4	810.0	788.0	769.3	764.5	764.5
10°	755.7	760.9	774.4	793.2	792.8	765.3	744.5	742.1	742.5
12.5°	735.3	737.7	744.5	759.3	759.3	732.1	716.2	718.6	721.8
15°	713.4	715.0	713.4	718.2	716.2	693.8	685.8	693.4	698.2
17.5°	682.2	683.0	674.6	668.3	660.7	646.7	648.7	659.9	661.1
20°	638.7	643.9	628.7	612.4	605.2	592.0	603.2	615.6	614.8
22.5°	590.8	596.8	577.2	550.1	535.3	530.1	550.1	561.3	560.9
25°	536.1	540.5	518.2	480.2	460.3	459.5	487.0	498.6	499.4
27.5°	474.6	476.2	451.1	401.6	376.8	382.8	417.6	433.5	435.5
30°	413.2	412.4	386.4	324.9	292.2	308.6	355.3	372.9	374.8
32.5°	356.9	354.5	324.9	251.5	212.4	236.7	298.2	316.6	319.8
35°	303.0	299.0	267.1	186.0	142.5	178.8	249.1	265.1	266.3
37.5°	246.7	244.7	219.6	139.3	99.4	135.7	203.2	214.8	213.6
40°	194.4	194.4	173.7	103.4	69.1	101.0	160.9	171.3	167.7
42.5°	152.5	154.5	136.9	76.2	49.1	75.0	127.3	136.9	132.9
45°	123.0	123.0	107.8	56.7	31.9	55.9	100.6	109.4	108.6
47.5°	104.2	102.6	87.4	41.5	17.6	41.9	84.6	95.4	95.0
50°	93.0	90.6	75.0	32.7	12.4	34.7	74.3	84.2	84.6
52.5°	84.2	80.6	67.5	29.1	10.8	30.3	67.5	75.4	75.4
55°	74.7	72.7	60.7	25.9	9.6	27.1	60.7	67.9	67.5
57.5°	63.1	62.7	54.3	23.6	8.8	24.0	54.3	58.7	57.1
60°	51.5	53.1	47.1	21.2	8.0	21.6	46.3	49.9	49.1
62.5°	43.1	45.1	41.1	18.8	6.8	19.2	39.1	42.7	41.9
65°	35.9	37.5	34.3	16.0	6.0	16.0	32.3	35.5	35.5
67.5°	29.5	30.7	28.3	13.2	5.2	13.2	26.3	29.1	29.5
70°	23.6	24.4	22.4	10.4	4.4	10.8	20.8	23.6	23.6
72.5°	18.4	18.8	17.6	8.4	4.0	8.4	16.0	18.4	18.4
75°	13.2	14.0	13.2	6.4	3.6	6.4	12.4	13.6	14.0
77.5°	7.6	9.6	9.6	5.2	2.8	4.8	8.8	9.2	9.2
80°	5.2	6.0	6.8	3.6	2.0	3.6	5.6	6.0	5.6
82.5°	3.6	4.0	4.0	2.4	1.6	2.4	3.6	4.0	3.6
85°	2.0	2.8	2.8	2.0	1.2	1.6	2.0	2.4	2.0
87.5°	1.2	1.6	2.0	1.6	1.2	1.2	1.2	1.2	0.8
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)