

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: P799316

Luminaire Tested: **LD6C10D010 EU6109035 6LBMDDWGPH**

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: P799316
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: LD6C10D010 EU6109035 6LBMDDWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

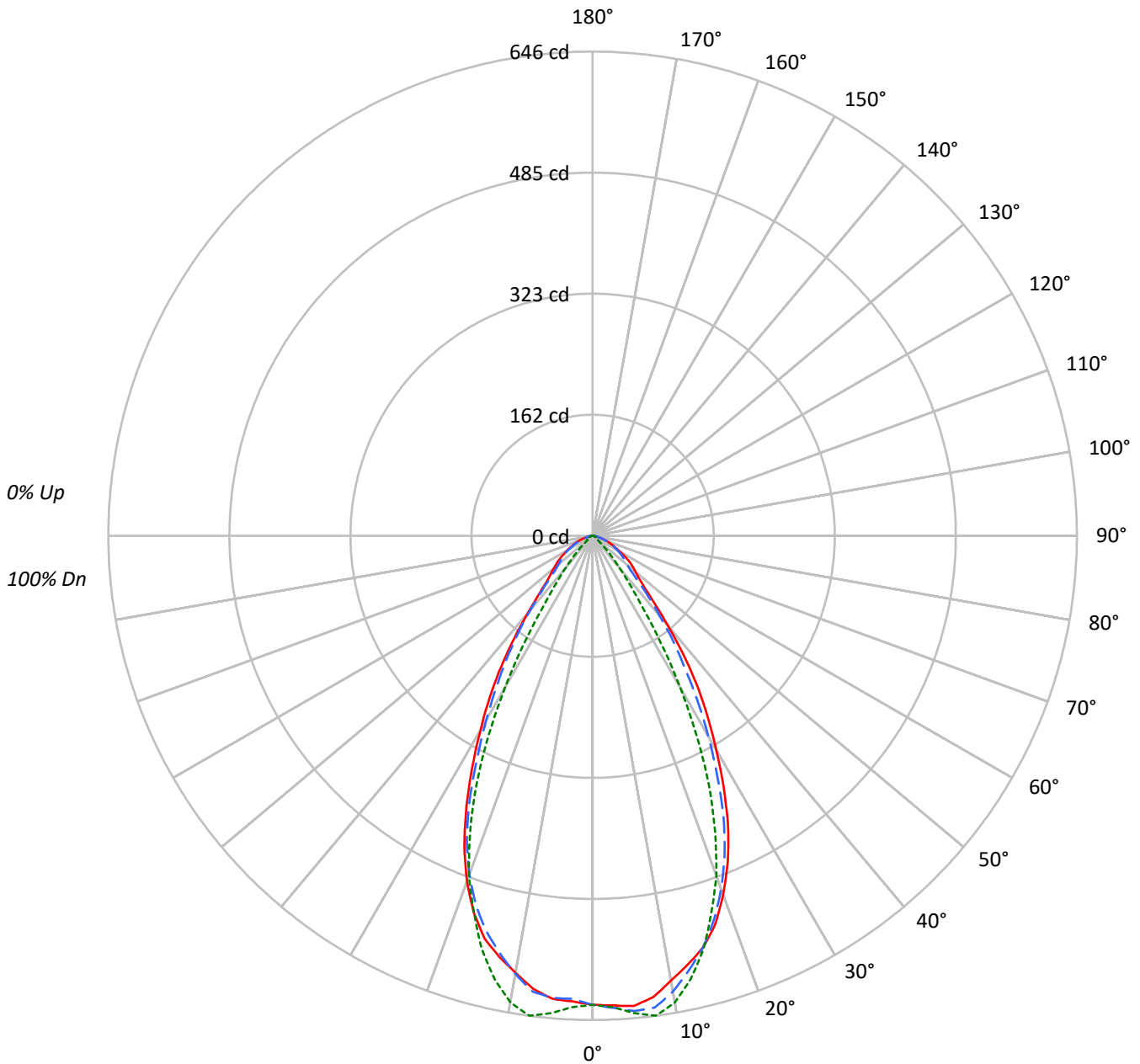
Lumens per Lamp: N/A
Luminaire Lumens: 637.0 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	34301	34301	34301
5°	34658	35186	34118
10°	33539	35186	32954
15°	32276	32407	31589
20°	29706	28148	28592
25°	25852	22199	24080
30°	20851	14749	18914
35°	16169	7602	14208
40°	11092	3943	9568
45°	7598	1977	6714
50°	6328	844	5757
55°	5687	726	5142
60°	4506	702	4287
65°	3710	623	3671
70°	3013	561	3013
75°	2224	614	2351
80°	1294	505	1421
85°	1006	629	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	9.3
10°-20°	156.3	24.5
20°-30°	178.4	28.0
30°-40°	118.3	18.6
40°-50°	57.1	9.0
50°-60°	35.1	5.5
60°-70°	21.2	3.3
70°-80°	8.9	1.4
80°-90°	2.0	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°	394.3	61.9
0°-40°	512.7	80.5
0°-60°	604.9	94.9
0°-90°	637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	637.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	626	626	626	626	626	
5°	630	636	639	619	620	59
15°	569	569	571	547	557	158
25°	427	413	367	388	398	194
35°	242	213	114	199	212	149
45°	98	86	26	80	87	80
55°	60	48	8	48	54	52
65°	29	27	5	26	28	29
75°	10	10	3	10	11	11
85°	2	2	1	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7	625.7
2.5°	627.3	628.2	630.2	630.5	629.5	623.5	618.4	620.3	621.9
5°	629.8	631.7	636.5	641.0	639.4	629.2	619.0	618.7	620.0
7.5°	620.6	625.1	634.9	646.1	645.8	628.2	613.3	609.5	609.5
10°	602.5	606.6	617.4	632.4	632.1	610.1	593.6	591.6	592.0
12.5°	586.2	588.1	593.6	605.3	605.3	583.7	571.0	572.9	575.4
15°	568.7	570.0	568.7	572.6	571.0	553.1	546.8	552.8	556.6
17.5°	543.9	544.5	537.9	532.8	526.7	515.6	517.2	526.1	527.0
20°	509.2	513.4	501.3	488.2	482.5	472.0	480.9	490.8	490.1
22.5°	471.0	475.8	460.2	438.6	426.8	422.7	438.6	447.5	447.2
25°	427.4	430.9	413.1	382.9	367.0	366.3	388.3	397.5	398.1
27.5°	378.4	379.7	359.6	320.2	300.4	305.2	332.9	345.6	347.2
30°	329.4	328.8	308.1	259.1	233.0	246.0	283.3	297.3	298.8
32.5°	284.5	282.6	259.1	200.5	169.3	188.7	237.7	252.4	254.9
35°	241.6	238.4	212.9	148.3	113.6	142.6	198.6	211.3	212.3
37.5°	196.7	195.1	175.0	111.1	79.2	108.2	162.0	171.2	170.3
40°	155.0	155.0	138.4	82.4	55.1	80.5	128.3	136.5	133.7
42.5°	121.6	123.2	109.2	60.8	39.1	59.8	101.5	109.2	106.0
45°	98.0	98.0	85.9	45.2	25.5	44.6	80.2	87.2	86.6
47.5°	83.1	81.8	69.7	33.1	14.0	33.4	67.5	76.1	75.7
50°	74.2	72.2	59.8	26.1	9.9	27.7	59.2	67.2	67.5
52.5°	67.2	64.3	53.8	23.2	8.6	24.2	53.8	60.2	60.2
55°	59.5	57.9	48.4	20.7	7.6	21.6	48.4	54.1	53.8
57.5°	50.3	50.0	43.3	18.8	7.0	19.1	43.3	46.8	45.5
60°	41.1	42.3	37.6	16.9	6.4	17.2	36.9	39.8	39.1
62.5°	34.4	36.0	32.8	15.0	5.4	15.3	31.2	34.1	33.4
65°	28.6	29.9	27.4	12.7	4.8	12.7	25.8	28.3	28.3
67.5°	23.6	24.5	22.6	10.5	4.1	10.5	21.0	23.2	23.6
70°	18.8	19.4	17.8	8.3	3.5	8.6	16.5	18.8	18.8
72.5°	14.6	15.0	14.0	6.7	3.2	6.7	12.7	14.6	14.6
75°	10.5	11.1	10.5	5.1	2.9	5.1	9.9	10.8	11.1
77.5°	6.0	7.6	7.6	4.1	2.2	3.8	7.0	7.3	7.3
80°	4.1	4.8	5.4	2.9	1.6	2.9	4.5	4.8	4.5
82.5°	2.9	3.2	3.2	1.9	1.3	1.9	2.9	3.2	2.9
85°	1.6	2.2	2.2	1.6	1.0	1.3	1.6	1.9	1.6
87.5°	1.0	1.3	1.6	1.3	1.0	1.0	1.0	1.0	0.6
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)