

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: P799339

Luminaire Tested: **LD6C10D010 EU6109040 6LBMDSWWMH**

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: P799339
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 EU6109040 6LBMDSWWMH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

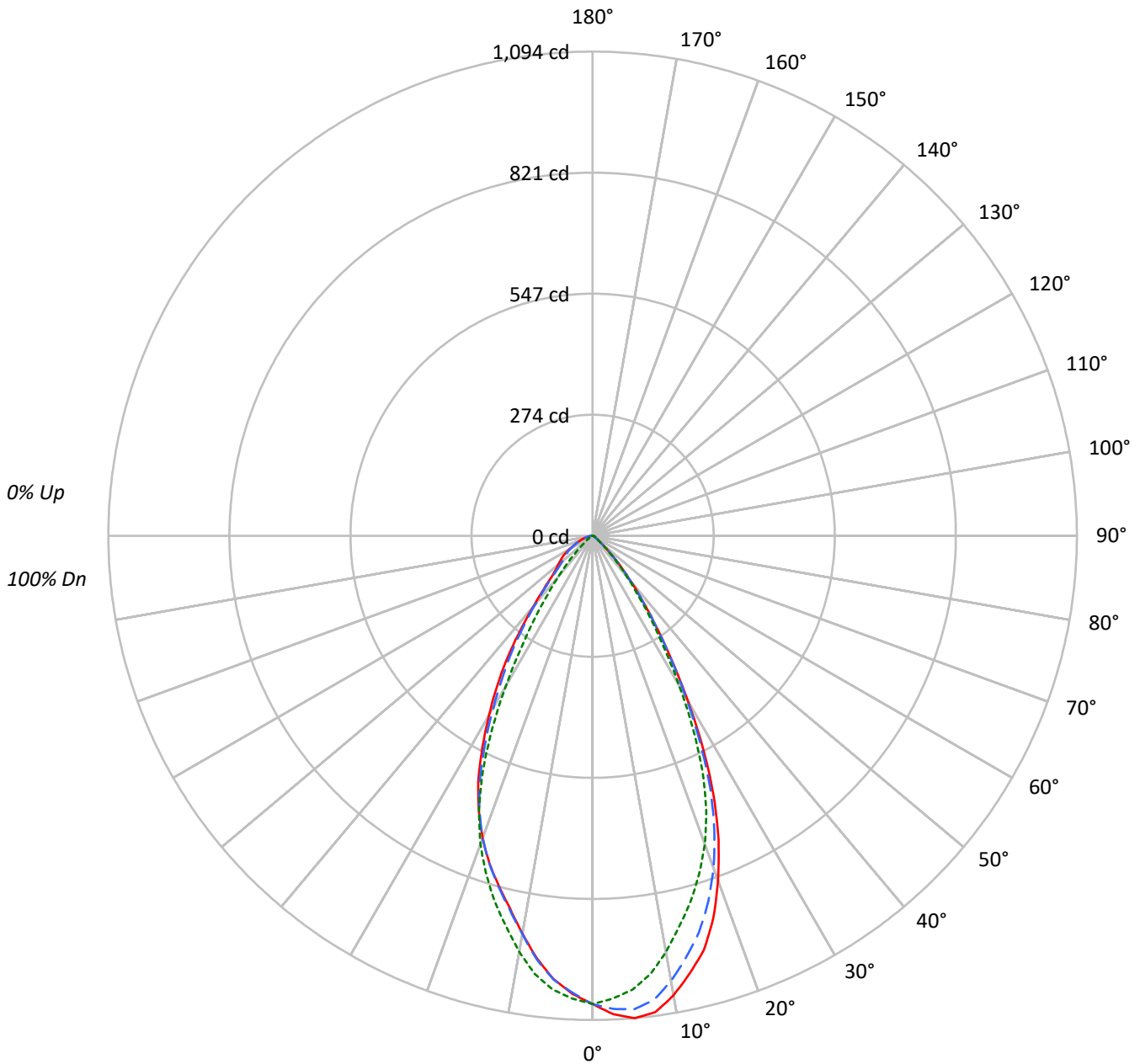
Lumens per Lamp: N/A
Luminaire Lumens: 911.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
Input Current (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					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	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°	58005	58005	58005
5°	60213	56647	55365
10°	58672	53133	50795
15°	55029	48547	46453
20°	48310	43223	42395
25°	39069	35506	36970
30°	27162	24732	29587
35°	16737	15151	22332
40°	9475	8494	14828
45°	4597	4388	10125
50°	1748	1748	8605
55°	956	1137	7942
60°	702	899	6502
65°	597	765	5331
70°	513	657	4392
75°	487	678	3770
80°	284	568	2747
85°	314	1132	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	10.6
10°-20°	243.5	26.7
20°-30°	274.1	30.1
30°-40°	169.7	18.6
40°-50°	67.6	7.4
50°-60°	30.8	3.4
60°-70°	17.7	1.9
70°-80°	8.4	0.9
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°	614.4	67.4
0°-40°	784.1	86.1
0°-60°	882.5	96.9
0°-90°	911.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	911.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1058	1058	1058	1058	1058	
5°	1094	1074	1029	1007	1006	103
15°	970	928	855	821	818	268
25°	646	629	587	602	611	290
35°	250	249	226	315	334	161
45°	59	59	57	123	131	50
55°	10	10	12	73	83	10
65°	5	4	6	41	41	4
75°	2	2	3	17	18	2
85°	0	0	2	4	4	0
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°	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1
2.5°	1082.3	1072.3	1070.0	1061.3	1046.7	1038.5	1033.5	1029.8	1036.2
5°	1094.2	1083.2	1074.1	1056.3	1029.4	1014.3	1007.0	1001.1	1006.1
7.5°	1085.5	1070.0	1057.7	1033.0	998.8	975.5	965.4	958.6	963.2
10°	1054.0	1035.3	1021.1	991.9	954.5	926.6	914.3	907.9	912.5
12.5°	1012.9	997.4	975.9	944.0	903.8	874.6	865.5	860.5	862.3
15°	969.6	951.3	927.6	895.6	855.4	826.2	820.7	817.6	818.5
17.5°	906.6	888.8	868.2	837.2	800.2	776.5	776.5	774.2	775.6
20°	828.1	818.5	798.4	772.4	740.9	719.4	726.3	724.0	726.7
22.5°	743.1	735.8	718.5	697.0	670.6	653.7	668.7	668.3	671.9
25°	645.9	640.4	628.6	610.3	587.0	576.5	601.6	601.6	611.2
27.5°	538.6	533.2	524.9	509.4	490.3	487.1	524.0	528.6	539.1
30°	429.1	425.4	420.9	406.7	390.7	396.7	447.8	455.6	467.4
32.5°	331.4	329.1	327.8	315.0	300.8	320.4	378.9	388.9	400.8
35°	250.1	245.1	248.8	239.2	226.4	251.1	315.4	324.1	333.7
37.5°	184.4	180.8	184.0	177.1	165.7	192.6	253.3	258.8	265.2
40°	132.4	129.2	131.9	127.8	118.7	143.8	198.6	204.5	207.2
42.5°	94.0	88.6	91.3	88.1	83.5	108.2	156.1	161.6	162.5
45°	59.3	57.5	59.3	57.5	56.6	80.3	123.2	128.3	130.6
47.5°	36.1	33.8	33.8	32.9	33.8	59.3	101.8	109.1	112.7
50°	20.5	19.6	19.2	18.7	20.5	46.6	88.1	96.3	100.9
52.5°	13.7	13.2	13.2	12.8	15.1	39.3	79.4	86.7	91.3
55°	10.0	9.6	9.6	9.6	11.9	33.8	73.0	79.0	83.1
57.5°	7.8	7.8	7.8	7.3	10.0	28.8	65.3	68.5	71.7
60°	6.4	5.9	5.9	5.9	8.2	24.6	56.1	57.5	59.3
62.5°	5.0	5.0	5.0	5.0	6.8	21.9	48.4	48.4	49.3
65°	4.6	4.1	4.1	4.1	5.9	19.2	40.6	40.2	41.1
67.5°	3.7	3.7	3.7	3.7	5.0	16.4	33.3	32.9	33.8
70°	3.2	3.2	3.2	3.2	4.1	13.7	26.9	26.5	27.4
72.5°	2.7	2.7	2.7	2.7	3.7	11.4	21.5	21.5	21.9
75°	2.3	2.3	2.3	2.3	3.2	8.7	17.3	17.3	17.8
77.5°	1.8	1.8	1.8	1.8	2.3	6.8	13.2	12.8	12.8
80°	0.9	1.4	1.4	1.4	1.8	5.0	9.6	8.7	8.7
82.5°	0.5	0.9	0.9	0.9	1.8	3.7	6.4	5.9	5.9
85°	0.5	0.5	0.5	1.4	1.8	2.7	4.1	4.1	4.1
87.5°	0.0	0.5	0.9	1.8	2.3	2.3	2.7	2.3	2.3
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)