

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: P799241

Luminaire Tested: **LD6C08D010 EU6089027 6LBMDSWMW**

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: P799241
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 6LBMDSWMW
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

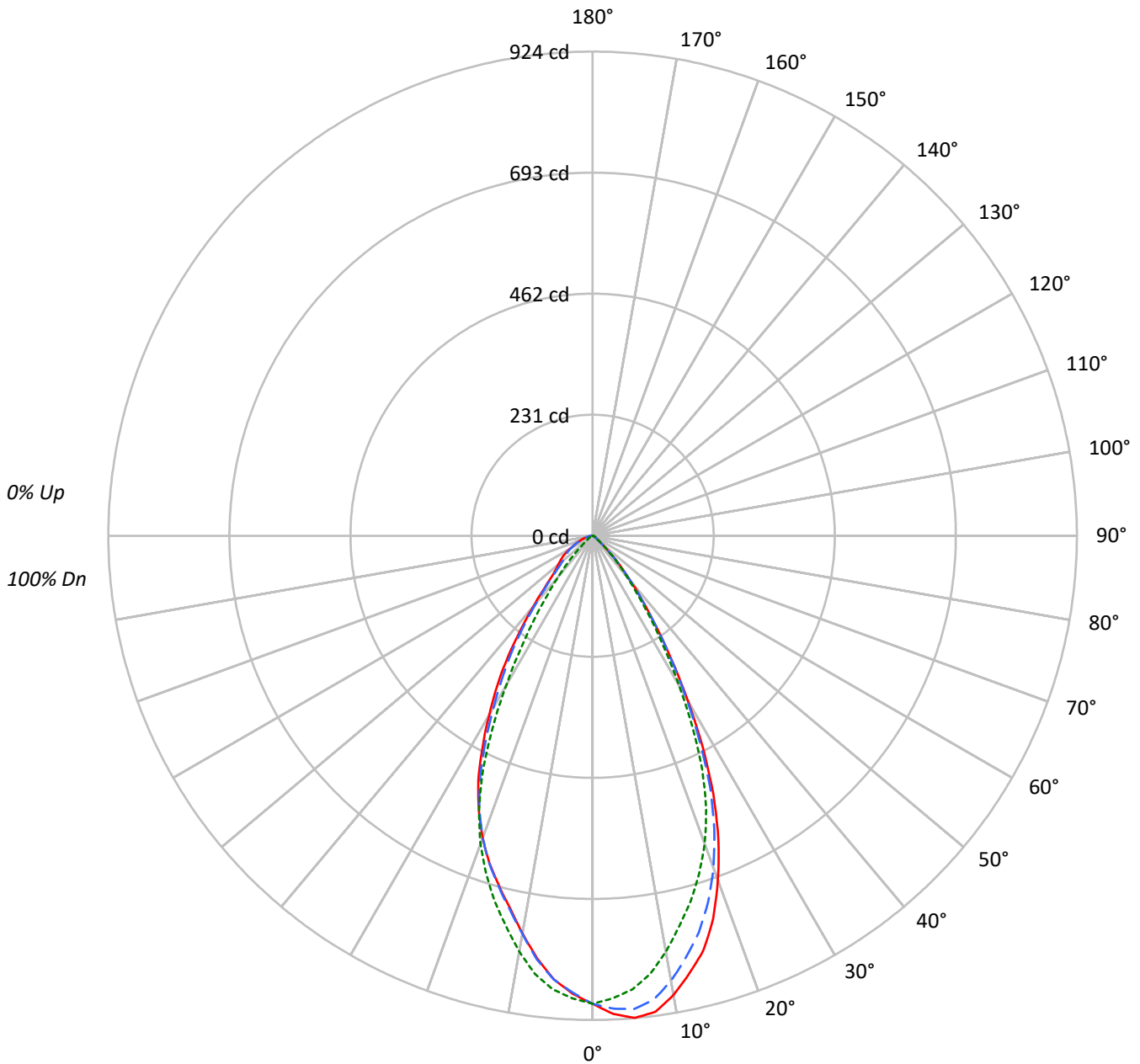
Lumens per Lamp: N/A
Luminaire Lumens: 769.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	48965	48965	48965
5°	50825	47815	46737
10°	49526	44850	42879
15°	46447	40982	39211
20°	40779	36485	35785
25°	32978	29971	31211
30°	22928	20877	24979
35°	14134	12789	18852
40°	7994	7171	12516
45°	3884	3706	8544
50°	1475	1475	7266
55°	812	956	6700
60°	592	757	5493
65°	506	649	4501
70°	433	561	3703
75°	402	572	3177
80°	253	474	2305
85°	252	943	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	10.6
10°-20°	205.5	26.7
20°-30°	231.4	30.1
30°-40°	143.3	18.6
40°-50°	57.1	7.4
50°-60°	26.0	3.4
60°-70°	14.9	1.9
70°-80°	7.1	0.9
80°-90°	2.1	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°	518.6	67.4
0°-40°	661.9	86.1
0°-60°	744.9	96.9
0°-90°	769.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	769.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	893	893	893	893	893	
5°	924	907	869	850	849	87
15°	818	783	722	693	691	226
25°	545	531	496	508	516	245
35°	211	210	191	266	282	136
45°	50	50	48	104	110	42
55°	8	8	10	62	70	8
65°	4	4	5	34	35	4
75°	2	2	3	15	15	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°	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2	893.2
2.5°	913.6	905.1	903.2	895.9	883.6	876.6	872.4	869.3	874.7
5°	923.6	914.4	906.7	891.6	868.9	856.2	850.0	845.0	849.3
7.5°	916.3	903.2	892.8	872.0	843.1	823.4	815.0	809.2	813.0
10°	889.7	873.9	862.0	837.3	805.7	782.2	771.8	766.4	770.3
12.5°	855.0	841.9	823.8	796.9	762.9	738.3	730.6	726.3	727.9
15°	818.4	803.0	783.0	756.0	722.1	697.4	692.8	690.1	690.9
17.5°	765.3	750.2	732.9	706.7	675.5	655.4	655.4	653.5	654.7
20°	699.0	690.9	673.9	652.0	625.4	607.3	613.1	611.1	613.4
22.5°	627.3	621.1	606.5	588.4	566.0	551.8	564.5	564.1	567.2
25°	545.2	540.6	530.6	515.2	495.5	486.7	507.9	507.9	516.0
27.5°	454.7	450.1	443.1	430.0	413.8	411.1	442.4	446.2	455.1
30°	362.2	359.1	355.3	343.3	329.8	334.8	378.0	384.6	394.6
32.5°	279.7	277.8	276.7	265.9	253.9	270.5	319.8	328.3	338.3
35°	211.2	206.9	210.0	201.9	191.1	211.9	266.3	273.6	281.7
37.5°	155.7	152.6	155.3	149.5	139.9	162.6	213.9	218.5	223.9
40°	111.7	109.0	111.4	107.9	100.2	121.4	167.6	172.6	174.9
42.5°	79.4	74.8	77.1	74.4	70.5	91.3	131.8	136.4	137.2
45°	50.1	48.6	50.1	48.6	47.8	67.8	104.0	108.3	110.2
47.5°	30.4	28.5	28.5	27.7	28.5	50.1	85.9	92.1	95.2
50°	17.3	16.6	16.2	15.8	17.3	39.3	74.4	81.3	85.2
52.5°	11.6	11.2	11.2	10.8	12.7	33.1	67.0	73.2	77.1
55°	8.5	8.1	8.1	8.1	10.0	28.5	61.7	66.7	70.1
57.5°	6.6	6.6	6.6	6.2	8.5	24.3	55.1	57.8	60.5
60°	5.4	5.0	5.0	5.0	6.9	20.8	47.4	48.6	50.1
62.5°	4.2	4.2	4.2	4.2	5.8	18.5	40.8	40.8	41.6
65°	3.9	3.5	3.5	3.5	5.0	16.2	34.3	33.9	34.7
67.5°	3.1	3.1	3.1	3.1	4.2	13.9	28.1	27.7	28.5
70°	2.7	2.7	2.7	2.7	3.5	11.6	22.7	22.3	23.1
72.5°	2.3	2.3	2.3	2.3	3.1	9.6	18.1	18.1	18.5
75°	1.9	1.9	1.9	1.9	2.7	7.3	14.6	14.6	15.0
77.5°	1.5	1.5	1.5	1.5	1.9	5.8	11.2	10.8	10.8
80°	0.8	1.2	1.2	1.2	1.5	4.2	8.1	7.3	7.3
82.5°	0.4	0.8	0.8	0.8	1.5	3.1	5.4	5.0	5.0
85°	0.4	0.4	0.4	1.2	1.5	2.3	3.5	3.5	3.5
87.5°	0.0	0.4	0.8	1.5	1.9	1.9	2.3	1.9	1.9
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)