

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: P799234

Luminaire Tested: **LD6C08D010 EU6089027 6LBMDDWLI**

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: P799234
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 EU6089027 6LBMDDWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

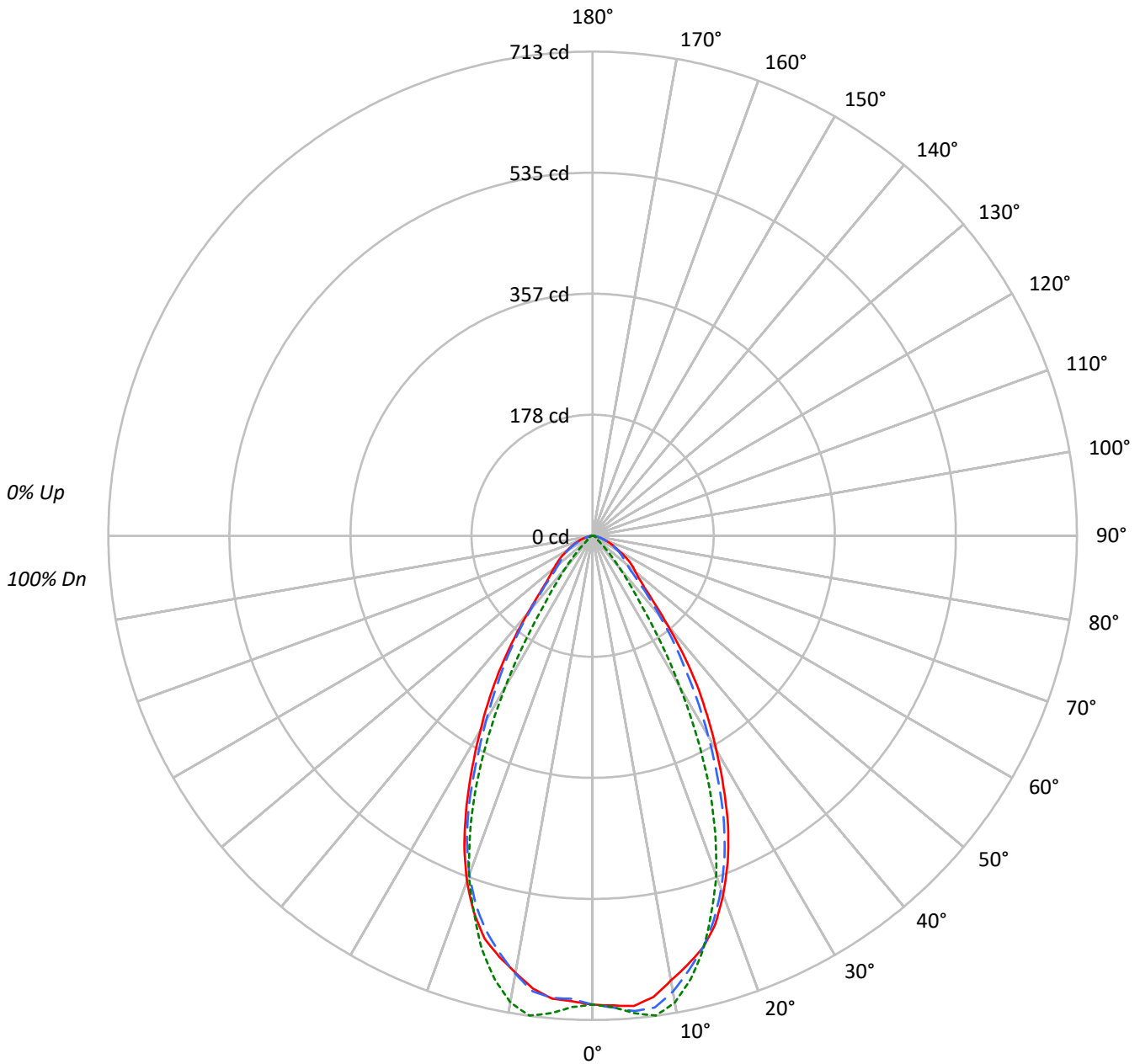
Lumens per Lamp: N/A
Luminaire Lumens: 703.0 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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	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°	37853	37853	37853
5°	38251	38829	37651
10°	37012	38833	36367
15°	35624	35761	34864
20°	32786	31065	31555
25°	28532	24497	26578
30°	23010	16275	20877
35°	17842	8392	15680
40°	12244	4351	10555
45°	8388	2179	7404
50°	6976	930	6354
55°	6279	803	5677
60°	4967	767	4736
65°	4099	687	4060
70°	3318	625	3318
75°	2457	678	2605
80°	1452	568	1547
85°	1132	692	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	9.3
10°-20°	172.5	24.5
20°-30°	196.9	28.0
30°-40°	130.6	18.6
40°-50°	63.0	9.0
50°-60°	38.7	5.5
60°-70°	23.4	3.3
70°-80°	9.9	1.4
80°-90°	2.2	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°	435.2	61.9
0°-40°	565.8	80.5
0°-60°	667.5	94.9
0°-90°	703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	690	690	690	690	690	
5°	695	702	706	683	684	65
15°	628	628	630	603	614	175
25°	472	456	405	428	439	214
35°	267	235	125	219	234	165
45°	108	95	28	88	96	88
55°	66	53	8	53	59	58
65°	32	30	5	28	31	32
75°	12	12	3	11	12	12
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°	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5	690.5
2.5°	692.3	693.3	695.4	695.8	694.7	688.1	682.5	684.6	686.3
5°	695.1	697.2	702.5	707.4	705.6	694.4	683.2	682.8	684.2
7.5°	684.9	689.8	700.7	713.0	712.7	693.3	676.8	672.6	672.6
10°	664.9	669.5	681.4	697.9	697.6	673.3	655.1	652.9	653.3
12.5°	647.0	649.1	655.1	668.1	668.1	644.2	630.1	632.2	635.0
15°	627.7	629.1	627.7	631.9	630.1	610.4	603.4	610.1	614.3
17.5°	600.3	601.0	593.6	588.0	581.3	569.0	570.8	580.6	581.6
20°	562.0	566.5	553.2	538.8	532.5	520.9	530.7	541.6	540.9
22.5°	519.8	525.1	507.9	484.0	471.0	466.4	484.0	493.8	493.5
25°	471.7	475.6	455.9	422.5	405.0	404.3	428.5	438.7	439.4
27.5°	417.6	419.0	396.9	353.3	331.6	336.8	367.4	381.4	383.2
30°	363.5	362.8	340.0	285.9	257.1	271.5	312.6	328.1	329.8
32.5°	314.0	311.9	285.9	221.3	186.9	208.3	262.4	278.5	281.3
35°	266.6	263.1	235.0	163.7	125.4	157.4	219.2	233.2	234.3
37.5°	217.1	215.3	193.2	122.6	87.5	119.4	178.8	189.0	187.9
40°	171.1	171.1	152.8	91.0	60.8	88.9	141.5	150.7	147.5
42.5°	134.2	135.9	120.5	67.1	43.2	66.0	112.0	120.5	117.0
45°	108.2	108.2	94.8	49.9	28.1	49.2	88.5	96.2	95.5
47.5°	91.7	90.3	76.9	36.5	15.5	36.9	74.5	83.9	83.6
50°	81.8	79.7	66.0	28.8	10.9	30.6	65.3	74.1	74.5
52.5°	74.1	70.9	59.4	25.6	9.5	26.7	59.4	66.4	66.4
55°	65.7	63.9	53.4	22.8	8.4	23.9	53.4	59.7	59.4
57.5°	55.5	55.1	47.8	20.7	7.7	21.1	47.8	51.6	50.2
60°	45.3	46.7	41.4	18.6	7.0	19.0	40.7	43.9	43.2
62.5°	37.9	39.7	36.2	16.5	6.0	16.9	34.4	37.6	36.9
65°	31.6	33.0	30.2	14.0	5.3	14.0	28.5	31.3	31.3
67.5°	26.0	27.0	24.9	11.6	4.6	11.6	23.2	25.6	26.0
70°	20.7	21.4	19.7	9.1	3.9	9.5	18.3	20.7	20.7
72.5°	16.2	16.5	15.5	7.4	3.5	7.4	14.0	16.2	16.2
75°	11.6	12.3	11.6	5.6	3.2	5.6	10.9	11.9	12.3
77.5°	6.7	8.4	8.4	4.6	2.5	4.2	7.7	8.1	8.1
80°	4.6	5.3	6.0	3.2	1.8	3.2	4.9	5.3	4.9
82.5°	3.2	3.5	3.5	2.1	1.4	2.1	3.2	3.5	3.2
85°	1.8	2.5	2.5	1.8	1.1	1.4	1.8	2.1	1.8
87.5°	1.1	1.4	1.8	1.4	1.1	1.1	1.1	1.1	0.7
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)