

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: P799255

Luminaire Tested: **LD6C08D010 EU6089030 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: P799255
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 EU6089030 6LBMDSWWMH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

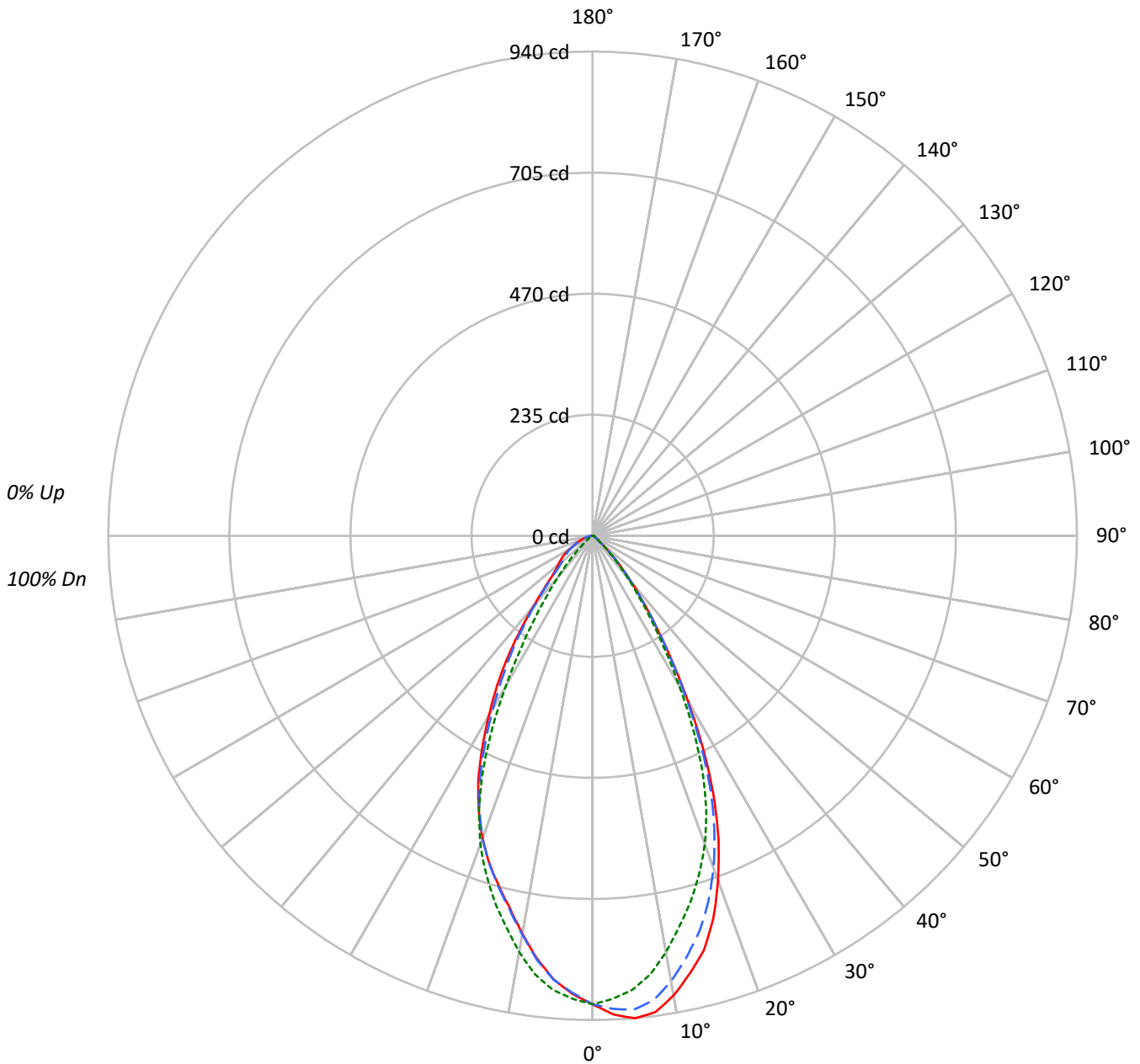
Lumens per Lamp: N/A
Luminaire Lumens: 783.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	57	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°	49853	49853	49853
5°	51750	48685	47584
10°	50428	45668	43659
15°	47293	41726	39926
20°	41519	37150	36438
25°	33583	30516	31774
30°	23345	21256	25434
35°	14388	13023	19194
40°	8144	7299	12745
45°	3954	3776	8699
50°	1510	1510	7394
55°	822	975	6824
60°	603	778	5592
65°	506	662	4579
70°	433	561	3767
75°	424	572	3241
80°	253	505	2368
85°	252	1006	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	10.6
10°-20°	209.3	26.7
20°-30°	235.6	30.1
30°-40°	145.9	18.6
40°-50°	58.1	7.4
50°-60°	26.4	3.4
60°-70°	15.2	1.9
70°-80°	7.2	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°	528.1	67.4
0°-40°	673.9	86.1
0°-60°	758.5	96.9
0°-90°	783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	909	909	909	909	909	
5°	940	923	885	866	865	89
15°	833	797	735	705	704	231
25°	555	540	504	517	525	250
35°	215	214	195	271	287	138
45°	51	51	49	106	112	43
55°	9	8	10	63	71	9
65°	4	4	5	35	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°	909.4	909.4	909.4	909.4	909.4	909.4	909.4	909.4	909.4
2.5°	930.2	921.6	919.6	912.2	899.6	892.6	888.3	885.1	890.6
5°	940.4	931.0	923.2	907.9	884.7	871.8	865.5	860.4	864.7
7.5°	933.0	919.6	909.1	887.9	858.4	838.4	829.8	823.9	827.8
10°	905.9	889.8	877.7	852.6	820.4	796.5	785.9	780.4	784.3
12.5°	870.6	857.3	838.8	811.4	776.8	751.7	743.9	739.6	741.1
15°	833.3	817.6	797.2	769.8	735.2	710.1	705.4	702.7	703.5
17.5°	779.2	763.9	746.2	719.6	687.8	667.4	667.4	665.4	666.6
20°	711.7	703.5	686.2	663.8	636.8	618.3	624.2	622.3	624.6
22.5°	638.7	632.5	617.5	599.1	576.3	561.8	574.8	574.4	577.5
25°	555.2	550.5	540.3	524.6	504.5	495.5	517.1	517.1	525.3
27.5°	463.0	458.3	451.2	437.9	421.4	418.6	450.4	454.3	463.4
30°	368.8	365.7	361.7	349.6	335.8	340.9	384.9	391.6	401.8
32.5°	284.8	282.9	281.7	270.7	258.6	275.4	325.6	334.3	344.5
35°	215.0	210.7	213.8	205.6	194.6	215.8	271.1	278.6	286.8
37.5°	158.5	155.4	158.1	152.2	142.4	165.6	217.7	222.5	227.9
40°	113.8	111.0	113.4	109.9	102.0	123.6	170.7	175.8	178.1
42.5°	80.8	76.1	78.5	75.7	71.8	93.0	134.2	138.9	139.7
45°	51.0	49.4	51.0	49.4	48.7	69.1	105.9	110.2	112.2
47.5°	31.0	29.0	29.0	28.2	29.0	51.0	87.5	93.8	96.9
50°	17.7	16.9	16.5	16.1	17.7	40.0	75.7	82.8	86.7
52.5°	11.8	11.4	11.4	11.0	12.9	33.7	68.3	74.5	78.5
55°	8.6	8.2	8.2	8.2	10.2	29.0	62.8	67.9	71.4
57.5°	6.7	6.7	6.7	6.3	8.6	24.7	56.1	58.9	61.6
60°	5.5	5.1	5.1	5.1	7.1	21.2	48.3	49.4	51.0
62.5°	4.3	4.3	4.3	4.3	5.9	18.8	41.6	41.6	42.4
65°	3.9	3.5	3.5	3.5	5.1	16.5	34.9	34.5	35.3
67.5°	3.1	3.1	3.1	3.1	4.3	14.1	28.6	28.2	29.0
70°	2.7	2.7	2.7	2.7	3.5	11.8	23.1	22.8	23.5
72.5°	2.4	2.4	2.4	2.4	3.1	9.8	18.4	18.4	18.8
75°	2.0	2.0	2.0	2.0	2.7	7.5	14.9	14.9	15.3
77.5°	1.6	1.6	1.6	1.6	2.0	5.9	11.4	11.0	11.0
80°	0.8	1.2	1.2	1.2	1.6	4.3	8.2	7.5	7.5
82.5°	0.4	0.8	0.8	0.8	1.6	3.1	5.5	5.1	5.1
85°	0.4	0.4	0.4	1.2	1.6	2.4	3.5	3.5	3.5
87.5°	0.0	0.4	0.8	1.6	2.0	2.0	2.4	2.0	2.0
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)