

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: P799261

Luminaire Tested: **LD6C08D010 EU6089035 6LBMDDWWMH**

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: P799261  
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 EU6089035 6LBMDDWWMH  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBMDDW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

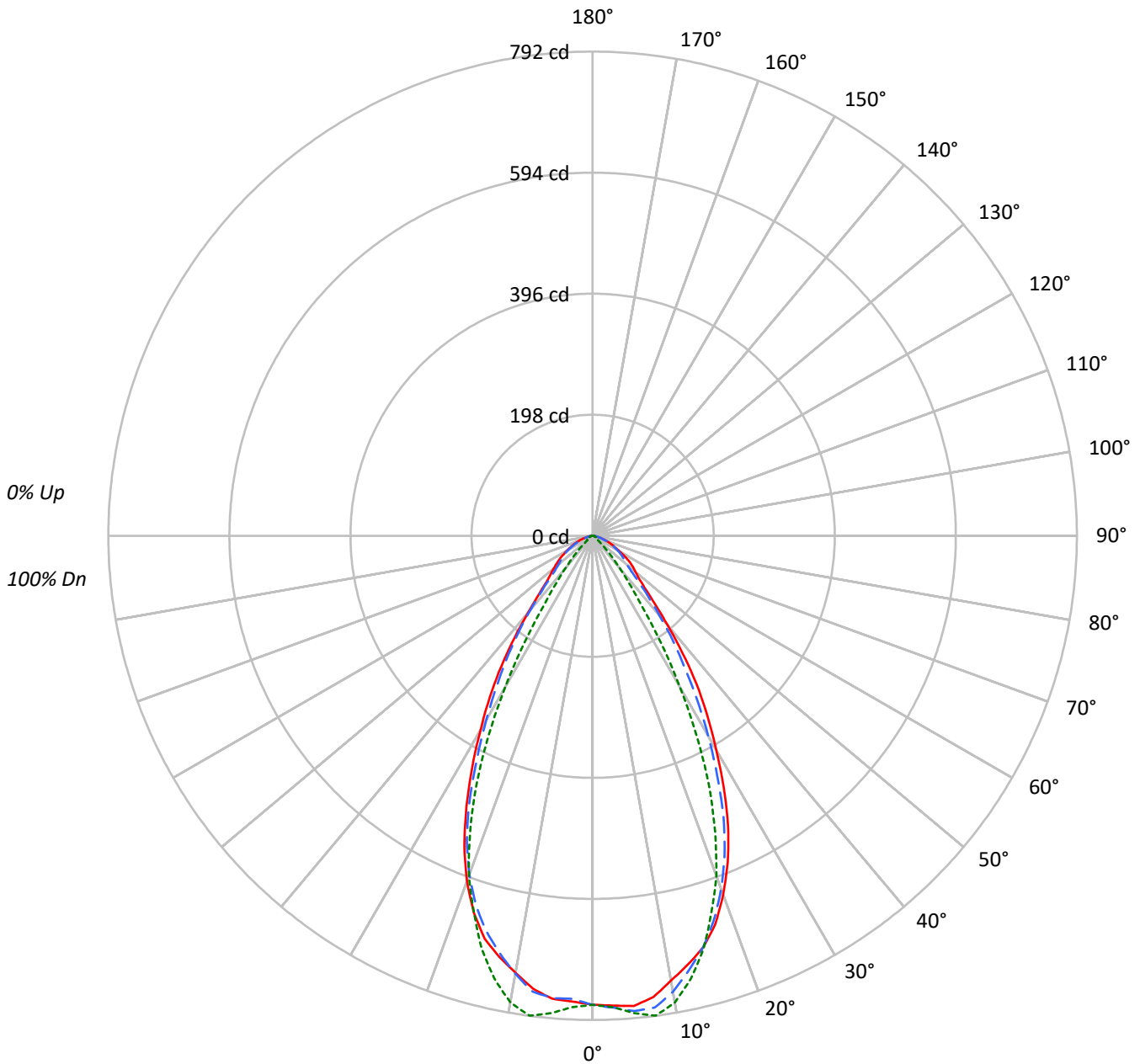
Lumens per Lamp: N/A  
Luminaire Lumens: 781.0 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	42053	42053	42053
5°	42494	43138	41828
10°	41120	43141	40402
15°	39575	39728	38735
20°	36421	34513	35056
25°	31695	27213	29524
30°	25567	18079	23193
35°	19823	9322	17420
40°	13597	4830	11729
45°	9319	2419	8226
50°	7752	1032	7053
55°	6977	898	6298
60°	5515	855	5263
65°	4553	765	4501
70°	3687	689	3687
75°	2732	741	2902
80°	1610	631	1736
85°	1258	755	1258



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.0	9.3
10°-20°	191.7	24.5
20°-30°	218.8	28.0
30°-40°	145.1	18.6
40°-50°	70.0	9.0
50°-60°	43.0	5.5
60°-70°	26.0	3.3
70°-80°	11.0	1.4
80°-90°	2.4	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°	483.5	61.9
0°-40°	628.6	80.5
0°-60°	741.6	94.9
0°-90°	781.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	767	767	767	767	767	
5°	772	780	784	759	760	73
15°	697	697	700	670	682	194
25°	524	506	450	476	488	238
35°	296	261	139	244	260	183
45°	120	105	31	98	106	98
55°	73	59	9	59	66	64
65°	35	34	6	32	35	35
75°	13	13	4	12	14	14
85°	2	3	1	2	2	3
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°	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1	767.1
2.5°	769.1	770.3	772.6	773.0	771.8	764.4	758.2	760.5	762.5
5°	772.2	774.6	780.4	785.9	783.9	771.4	759.0	758.6	760.1
7.5°	760.9	766.4	778.5	792.1	791.7	770.3	751.9	747.2	747.2
10°	738.7	743.7	757.0	775.3	775.0	748.0	727.7	725.4	725.8
12.5°	718.8	721.1	727.7	742.2	742.2	715.6	700.0	702.4	705.5
15°	697.3	698.9	697.3	702.0	700.0	678.2	670.4	677.8	682.5
17.5°	666.9	667.6	659.5	653.2	645.8	632.1	634.1	645.0	646.2
20°	624.3	629.4	614.6	598.6	591.6	578.7	589.6	601.7	600.9
22.5°	577.5	583.4	564.2	537.7	523.3	518.2	537.7	548.6	548.2
25°	524.0	528.3	506.5	469.4	449.9	449.1	476.1	487.4	488.1
27.5°	464.0	465.5	440.9	392.5	368.4	374.2	408.2	423.8	425.7
30°	403.9	403.1	377.7	317.6	285.6	301.6	347.3	364.5	366.4
32.5°	348.8	346.5	317.6	245.8	207.6	231.4	291.5	309.4	312.6
35°	296.2	292.3	261.0	181.8	139.3	174.8	243.5	259.1	260.3
37.5°	241.1	239.2	214.6	136.2	97.2	132.7	198.6	209.9	208.8
40°	190.0	190.0	169.7	101.1	67.5	98.7	157.3	167.4	163.9
42.5°	149.1	151.0	133.8	74.5	48.0	73.4	124.5	133.8	129.9
45°	120.2	120.2	105.4	55.4	31.2	54.6	98.3	106.9	106.1
47.5°	101.8	100.3	85.5	40.6	17.2	41.0	82.7	93.3	92.9
50°	90.9	88.6	73.4	32.0	12.1	33.9	72.6	82.3	82.7
52.5°	82.3	78.8	65.9	28.5	10.5	29.7	65.9	73.7	73.7
55°	73.0	71.0	59.3	25.4	9.4	26.5	59.3	66.3	65.9
57.5°	61.7	61.3	53.1	23.0	8.6	23.4	53.1	57.4	55.8
60°	50.3	51.9	46.0	20.7	7.8	21.1	45.3	48.8	48.0
62.5°	42.1	44.1	40.2	18.3	6.6	18.7	38.2	41.8	41.0
65°	35.1	36.7	33.6	15.6	5.9	15.6	31.6	34.7	34.7
67.5°	28.9	30.0	27.7	12.9	5.1	12.9	25.8	28.5	28.9
70°	23.0	23.8	21.9	10.1	4.3	10.5	20.3	23.0	23.0
72.5°	17.9	18.3	17.2	8.2	3.9	8.2	15.6	17.9	17.9
75°	12.9	13.7	12.9	6.2	3.5	6.2	12.1	13.3	13.7
77.5°	7.4	9.4	9.4	5.1	2.7	4.7	8.6	9.0	9.0
80°	5.1	5.9	6.6	3.5	2.0	3.5	5.5	5.9	5.5
82.5°	3.5	3.9	3.9	2.3	1.6	2.3	3.5	3.9	3.5
85°	2.0	2.7	2.7	2.0	1.2	1.6	2.0	2.3	2.0
87.5°	1.2	1.6	2.0	1.6	1.2	1.2	1.2	1.2	0.8
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)