

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: P799242

Luminaire Tested: **LD6C08D010 EU6089027 6LBMDSWWH**

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: P799242  
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 6LBMDSWWH  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

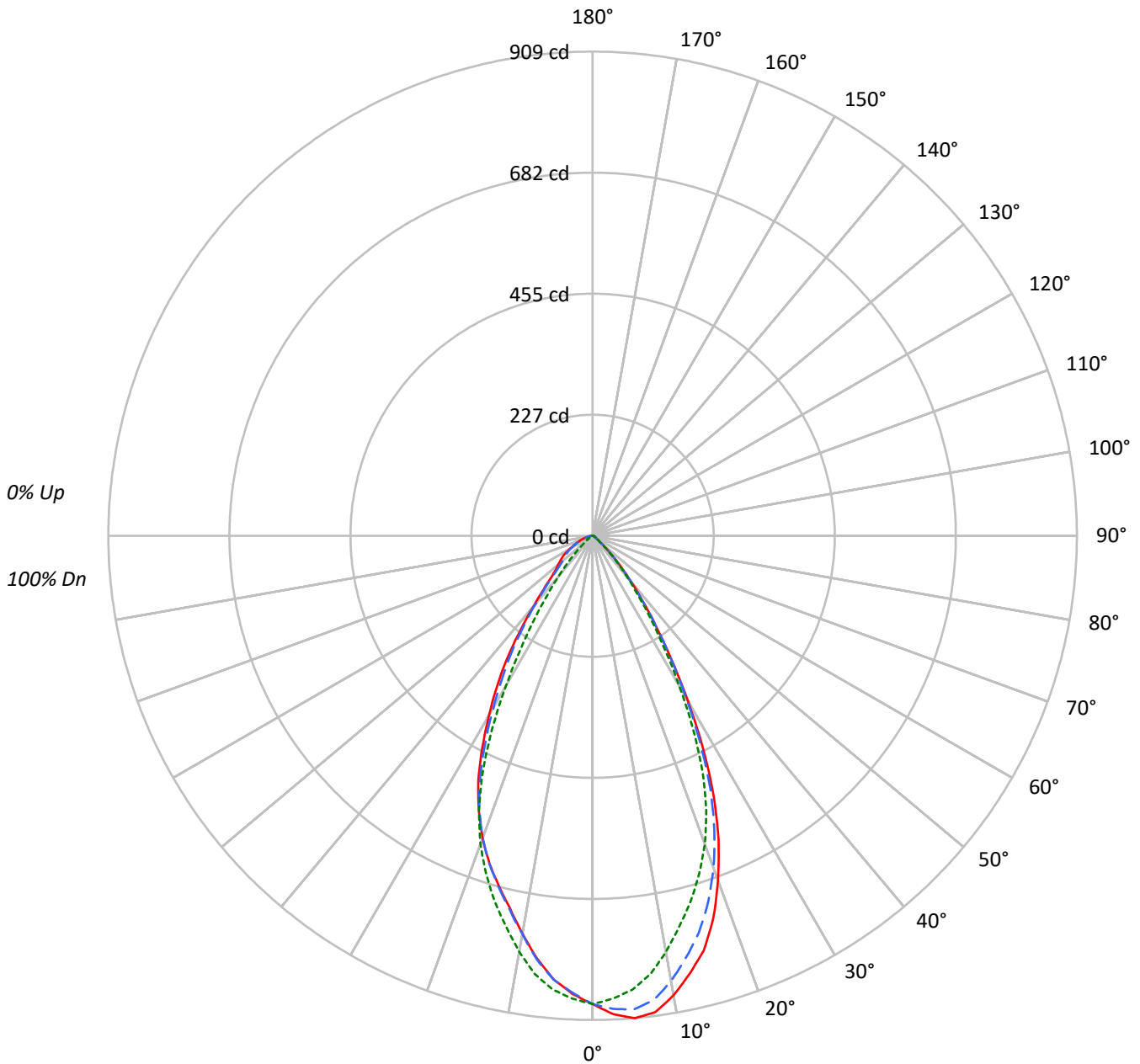
Lumens per Lamp: N/A  
Luminaire Lumens: 757.0 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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					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	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°	48198	48198	48198
5°	50033	47067	46005
10°	48752	44149	42206
15°	45727	40341	38598
20°	40143	35913	35231
25°	32464	29506	30722
30°	22573	20554	24586
35°	13913	12588	18558
40°	7872	7056	12323
45°	3822	3644	8412
50°	1458	1458	7147
55°	793	946	6595
60°	581	746	5405
65°	493	636	4423
70°	433	545	3654
75°	402	572	3135
80°	253	474	2273
85°	252	943	2139



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.5	10.6
10°-20°	202.3	26.7
20°-30°	227.7	30.1
30°-40°	141.0	18.6
40°-50°	56.2	7.4
50°-60°	25.6	3.4
60°-70°	14.7	1.9
70°-80°	7.0	0.9
80°-90°	2.0	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°	510.5	67.4
0°-40°	651.6	86.1
0°-60°	733.3	96.9
0°-90°	757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	757.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	879	879	879	879	879	
5°	909	892	855	837	836	86
15°	806	771	711	682	680	223
25°	537	522	488	500	508	241
35°	208	207	188	262	277	134
45°	49	49	47	102	108	42
55°	8	8	10	61	69	8
65°	4	3	5	34	34	4
75°	2	2	3	14	15	2
85°	0	0	2	3	3	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°	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2	879.2
2.5°	899.3	891.0	889.1	881.9	869.8	862.9	858.8	855.7	861.0
5°	909.2	900.1	892.5	877.7	855.3	842.8	836.8	831.8	836.0
7.5°	902.0	889.1	878.9	858.4	829.9	810.6	802.2	796.6	800.3
10°	875.8	860.3	848.5	824.2	793.1	770.0	759.8	754.5	758.2
12.5°	841.7	828.8	811.0	784.4	751.0	726.8	719.2	715.0	716.5
15°	805.7	790.5	770.8	744.2	710.8	686.6	682.0	679.3	680.1
17.5°	753.3	738.5	721.5	695.7	664.9	645.2	645.2	643.3	644.5
20°	688.1	680.1	663.4	641.8	615.6	597.8	603.5	601.6	603.9
22.5°	617.5	611.5	597.0	579.2	557.2	543.2	555.7	555.3	558.3
25°	536.7	532.2	522.3	507.1	487.8	479.1	499.9	499.9	507.9
27.5°	447.6	443.0	436.2	423.3	407.4	404.7	435.5	439.2	448.0
30°	356.6	353.5	349.7	338.0	324.7	329.6	372.1	378.6	388.4
32.5°	275.4	273.5	272.3	261.7	250.0	266.3	314.8	323.2	333.0
35°	207.9	203.7	206.7	198.8	188.1	208.6	262.1	269.3	277.3
37.5°	153.2	150.2	152.9	147.2	137.7	160.1	210.5	215.1	220.4
40°	110.0	107.3	109.6	106.2	98.6	119.5	165.0	169.9	172.2
42.5°	78.1	73.6	75.9	73.2	69.4	89.9	129.7	134.3	135.0
45°	49.3	47.8	49.3	47.8	47.0	66.8	102.4	106.6	108.5
47.5°	30.0	28.1	28.1	27.3	28.1	49.3	84.6	90.7	93.7
50°	17.1	16.3	15.9	15.6	17.1	38.7	73.2	80.0	83.8
52.5°	11.4	11.0	11.0	10.6	12.5	32.6	66.0	72.1	75.9
55°	8.3	8.0	8.0	8.0	9.9	28.1	60.7	65.6	69.0
57.5°	6.4	6.4	6.4	6.1	8.3	23.9	54.2	56.9	59.6
60°	5.3	4.9	4.9	4.9	6.8	20.5	46.7	47.8	49.3
62.5°	4.2	4.2	4.2	4.2	5.7	18.2	40.2	40.2	41.0
65°	3.8	3.4	3.4	3.4	4.9	15.9	33.8	33.4	34.1
67.5°	3.0	3.0	3.0	3.0	4.2	13.7	27.7	27.3	28.1
70°	2.7	2.7	2.7	2.7	3.4	11.4	22.4	22.0	22.8
72.5°	2.3	2.3	2.3	2.3	3.0	9.5	17.8	17.8	18.2
75°	1.9	1.9	1.9	1.9	2.7	7.2	14.4	14.4	14.8
77.5°	1.5	1.5	1.5	1.5	1.9	5.7	11.0	10.6	10.6
80°	0.8	1.1	1.1	1.1	1.5	4.2	8.0	7.2	7.2
82.5°	0.4	0.8	0.8	0.8	1.5	3.0	5.3	4.9	4.9
85°	0.4	0.4	0.4	1.1	1.5	2.3	3.4	3.4	3.4
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)