

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: P799233

Luminaire Tested: **LD6C08D010 EU6089027 6LBMDDWH**

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: P799233  
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 6LBMDDWH  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

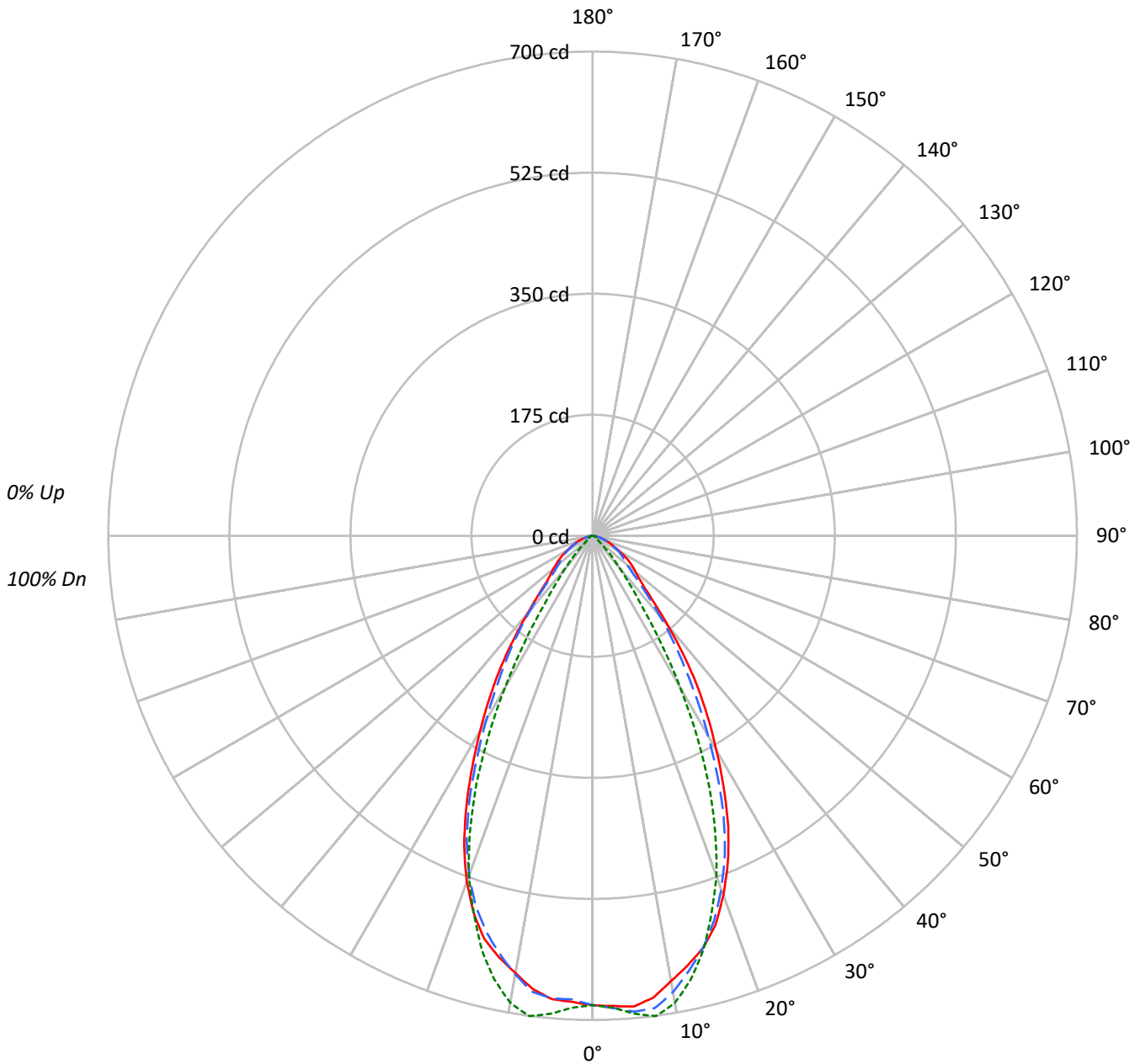
Lumens per Lamp: N/A  
Luminaire Lumens: 691.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	37206	37206	37206
5°	37596	38169	37007
10°	36378	38165	35743
15°	35012	35153	34268
20°	32226	30534	31019
25°	28048	24080	26124
30°	22617	15996	20522
35°	17534	8252	15412
40°	12030	4272	10377
45°	8241	2140	7280
50°	6857	913	6243
55°	6174	793	5572
60°	4879	757	4660
65°	4034	675	3982
70°	3270	609	3270
75°	2415	657	2563
80°	1421	537	1515
85°	1069	629	1069



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.6	9.4
10°-20°	169.6	24.5
20°-30°	193.6	28.0
30°-40°	128.4	18.6
40°-50°	61.9	9.0
50°-60°	38.1	5.5
60°-70°	23.0	3.3
70°-80°	9.7	1.4
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°	427.8	61.9
0°-40°	556.1	80.5
0°-60°	656.1	95.0
0°-90°	691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	691.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	679	679	679	679	679	
5°	683	690	694	672	672	64
15°	617	617	619	593	604	172
25°	464	448	398	421	432	210
35°	262	231	123	215	230	162
45°	106	93	28	87	94	87
55°	65	52	8	52	58	57
65°	31	30	5	28	31	31
75°	11	11	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°	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7	678.7
2.5°	680.5	681.5	683.6	683.9	682.9	676.3	670.8	672.9	674.6
5°	683.2	685.3	690.5	695.3	693.6	682.5	671.5	671.1	672.5
7.5°	673.2	678.1	688.8	700.8	700.5	681.5	665.3	661.1	661.1
10°	653.5	658.0	669.8	686.0	685.6	661.8	643.9	641.8	642.1
12.5°	635.9	638.0	643.9	656.6	656.6	633.2	619.4	621.4	624.2
15°	616.9	618.3	616.9	621.1	619.4	600.0	593.1	599.7	603.8
17.5°	590.0	590.7	583.5	577.9	571.4	559.3	561.0	570.7	571.7
20°	552.4	556.9	543.8	529.6	523.4	512.0	521.7	532.4	531.7
22.5°	511.0	516.1	499.2	475.7	463.0	458.5	475.7	485.4	485.1
25°	463.7	467.5	448.1	415.3	398.1	397.4	421.2	431.2	431.9
27.5°	410.5	411.9	390.1	347.3	325.9	331.1	361.1	374.9	376.7
30°	357.3	356.6	334.2	281.0	252.7	266.9	307.3	322.5	324.2
32.5°	308.6	306.6	281.0	217.5	183.7	204.7	257.9	273.8	276.5
35°	262.0	258.6	231.0	160.9	123.3	154.7	215.4	229.2	230.3
37.5°	213.4	211.6	189.9	120.5	86.0	117.4	175.7	185.7	184.7
40°	168.1	168.1	150.2	89.4	59.7	87.3	139.1	148.1	145.0
42.5°	131.9	133.6	118.4	65.9	42.5	64.9	110.1	118.4	115.0
45°	106.3	106.3	93.2	49.0	27.6	48.3	87.0	94.6	93.9
47.5°	90.1	88.7	75.6	35.9	15.2	36.3	73.2	82.5	82.2
50°	80.4	78.4	64.9	28.3	10.7	30.0	64.2	72.8	73.2
52.5°	72.8	69.7	58.3	25.2	9.3	26.2	58.3	65.3	65.3
55°	64.6	62.8	52.5	22.4	8.3	23.5	52.5	58.7	58.3
57.5°	54.5	54.2	47.0	20.4	7.6	20.7	47.0	50.8	49.4
60°	44.5	45.9	40.7	18.3	6.9	18.6	40.0	43.2	42.5
62.5°	37.3	39.0	35.6	16.2	5.9	16.6	33.8	36.9	36.3
65°	31.1	32.5	29.7	13.8	5.2	13.8	28.0	30.7	30.7
67.5°	25.5	26.6	24.5	11.4	4.5	11.4	22.8	25.2	25.5
70°	20.4	21.1	19.3	9.0	3.8	9.3	18.0	20.4	20.4
72.5°	15.9	16.2	15.2	7.3	3.5	7.3	13.8	15.9	15.9
75°	11.4	12.1	11.4	5.5	3.1	5.5	10.7	11.7	12.1
77.5°	6.6	8.3	8.3	4.5	2.4	4.1	7.6	7.9	7.9
80°	4.5	5.2	5.9	3.1	1.7	3.1	4.8	5.2	4.8
82.5°	3.1	3.5	3.5	2.1	1.4	2.1	3.1	3.5	3.1
85°	1.7	2.4	2.4	1.7	1.0	1.4	1.7	2.1	1.7
87.5°	1.0	1.4	1.7	1.4	1.0	1.0	1.0	1.0	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)