

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: P799338

Luminaire Tested: **LD6C10D010 EU6109040 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: P799338  
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: LD6C10D010 EU6109040 6LBMDSWWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

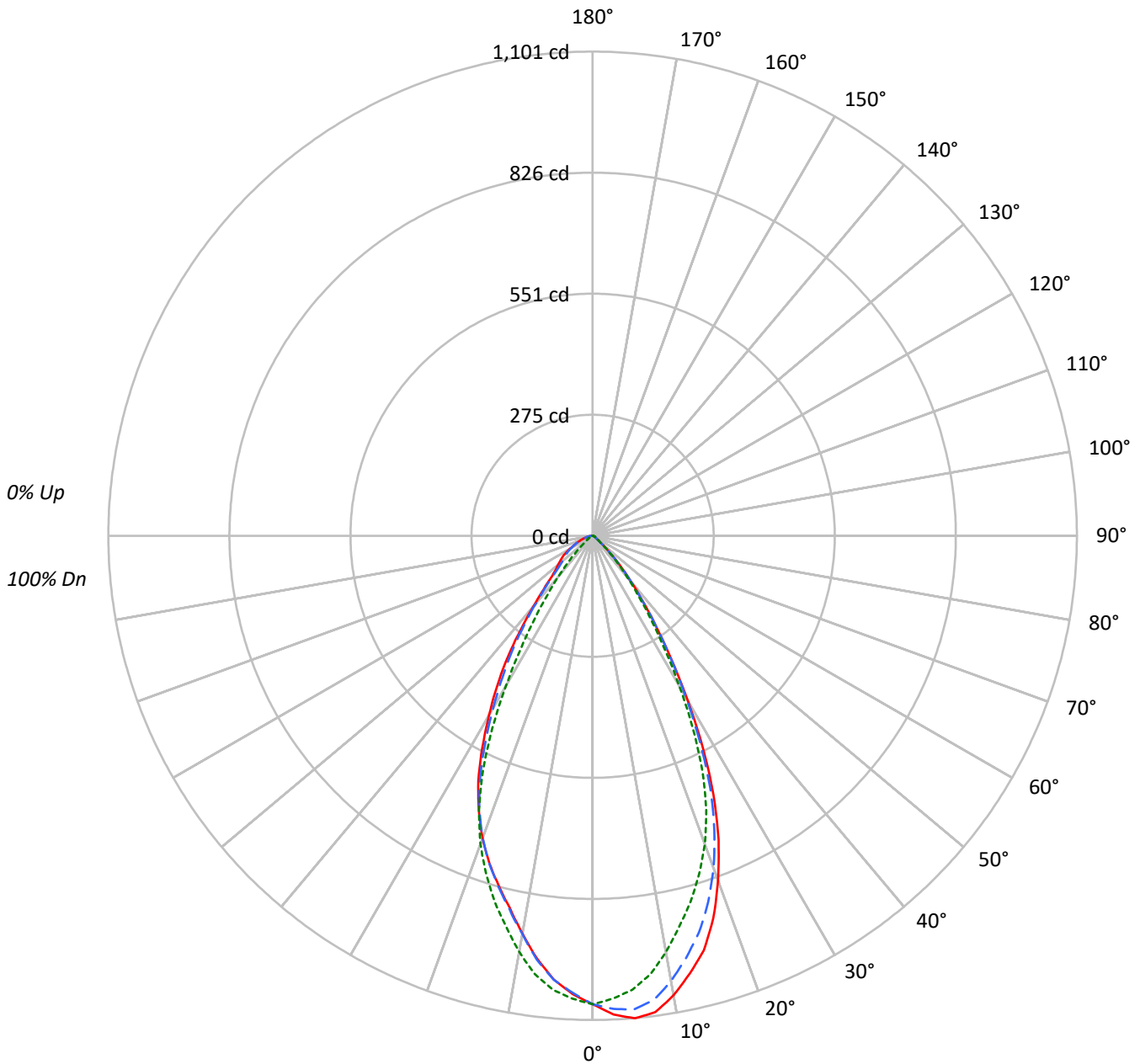
Lumens per Lamp: N/A  
Luminaire Lumens: 917.0 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	58	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°	58389	58389	58389
5°	60610	57016	55728
10°	59056	53484	51129
15°	55386	48871	46760
20°	48625	43503	42675
25°	39329	35742	37212
30°	27340	24896	29783
35°	16851	15252	22479
40°	9539	8552	14928
45°	4628	4419	10187
50°	1765	1765	8656
55°	965	1137	7990
60°	702	910	6546
65°	597	778	5370
70°	513	657	4424
75°	487	678	3791
80°	284	568	2747
85°	314	1132	2579



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.5	10.6
10°-20°	245.1	26.7
20°-30°	275.9	30.1
30°-40°	170.8	18.6
40°-50°	68.0	7.4
50°-60°	31.0	3.4
60°-70°	17.8	1.9
70°-80°	8.5	0.9
80°-90°	2.5	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°	618.5	67.4
0°-40°	789.3	86.1
0°-60°	888.3	96.9
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1065	1065	1065	1065	1065	
5°	1101	1081	1036	1014	1013	104
15°	976	934	861	826	824	270
25°	650	633	591	606	615	292
35°	252	250	228	318	336	162
45°	60	60	57	124	131	51
55°	10	10	12	74	84	10
65°	5	4	6	41	41	4
75°	2	2	3	18	18	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°	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1
2.5°	1089.4	1079.3	1077.0	1068.3	1053.6	1045.3	1040.3	1036.6	1043.0
5°	1101.4	1090.4	1081.2	1063.2	1036.1	1021.0	1013.6	1007.6	1012.7
7.5°	1092.7	1077.0	1064.6	1039.8	1005.4	981.9	971.8	964.9	969.5
10°	1060.9	1042.1	1027.9	998.5	960.8	932.8	920.3	913.9	918.5
12.5°	1019.6	1004.0	982.4	950.2	909.8	880.4	871.2	866.1	868.0
15°	975.9	957.6	933.7	901.5	861.1	831.7	826.2	822.9	823.9
17.5°	912.5	894.6	873.9	842.7	805.5	781.6	781.6	779.3	780.7
20°	833.5	823.9	803.6	777.4	745.7	724.1	731.0	728.7	731.5
22.5°	748.0	740.7	723.2	701.6	675.0	658.0	673.1	672.7	676.4
25°	650.2	644.7	632.7	614.3	590.9	580.3	605.6	605.6	615.2
27.5°	542.2	536.7	528.4	512.8	493.5	490.3	527.5	532.1	542.7
30°	431.9	428.2	423.6	409.4	393.3	399.3	450.8	458.6	470.5
32.5°	333.6	331.3	329.9	317.0	302.8	322.6	381.4	391.5	403.4
35°	251.8	246.7	250.4	240.8	227.9	252.7	317.5	326.2	335.9
37.5°	185.6	182.0	185.2	178.3	166.8	193.9	255.0	260.5	267.0
40°	133.3	130.0	132.8	128.7	119.5	144.7	199.9	205.8	208.6
42.5°	94.7	89.1	91.9	88.7	84.1	108.9	157.1	162.7	163.6
45°	59.7	57.9	59.7	57.9	57.0	80.9	124.1	129.1	131.4
47.5°	36.3	34.0	34.0	33.1	34.0	59.7	102.5	109.8	113.5
50°	20.7	19.8	19.3	18.8	20.7	46.9	88.7	97.0	101.5
52.5°	13.8	13.3	13.3	12.9	15.2	39.5	80.0	87.3	91.9
55°	10.1	9.6	9.6	9.6	11.9	34.0	73.5	79.5	83.6
57.5°	7.8	7.8	7.8	7.4	10.1	28.9	65.7	68.9	72.1
60°	6.4	6.0	6.0	6.0	8.3	24.8	56.5	57.9	59.7
62.5°	5.1	5.1	5.1	5.1	6.9	22.1	48.7	48.7	49.6
65°	4.6	4.1	4.1	4.1	6.0	19.3	40.9	40.4	41.4
67.5°	3.7	3.7	3.7	3.7	5.1	16.5	33.5	33.1	34.0
70°	3.2	3.2	3.2	3.2	4.1	13.8	27.1	26.7	27.6
72.5°	2.8	2.8	2.8	2.8	3.7	11.5	21.6	21.6	22.1
75°	2.3	2.3	2.3	2.3	3.2	8.7	17.5	17.5	17.9
77.5°	1.8	1.8	1.8	1.8	2.3	6.9	13.3	12.9	12.9
80°	0.9	1.4	1.4	1.4	1.8	5.1	9.6	8.7	8.7
82.5°	0.5	0.9	0.9	0.9	1.8	3.7	6.4	6.0	6.0
85°	0.5	0.5	0.5	1.4	1.8	2.8	4.1	4.1	4.1
87.5°	0.0	0.5	0.9	1.8	2.3	2.3	2.8	2.3	2.3
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)