

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: P799320

Luminaire Tested: **LD6C10D010 EU6109035 6LBMDDWWH**

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: P799320  
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: LD6C10D010 EU6109035 6LBMDDWWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

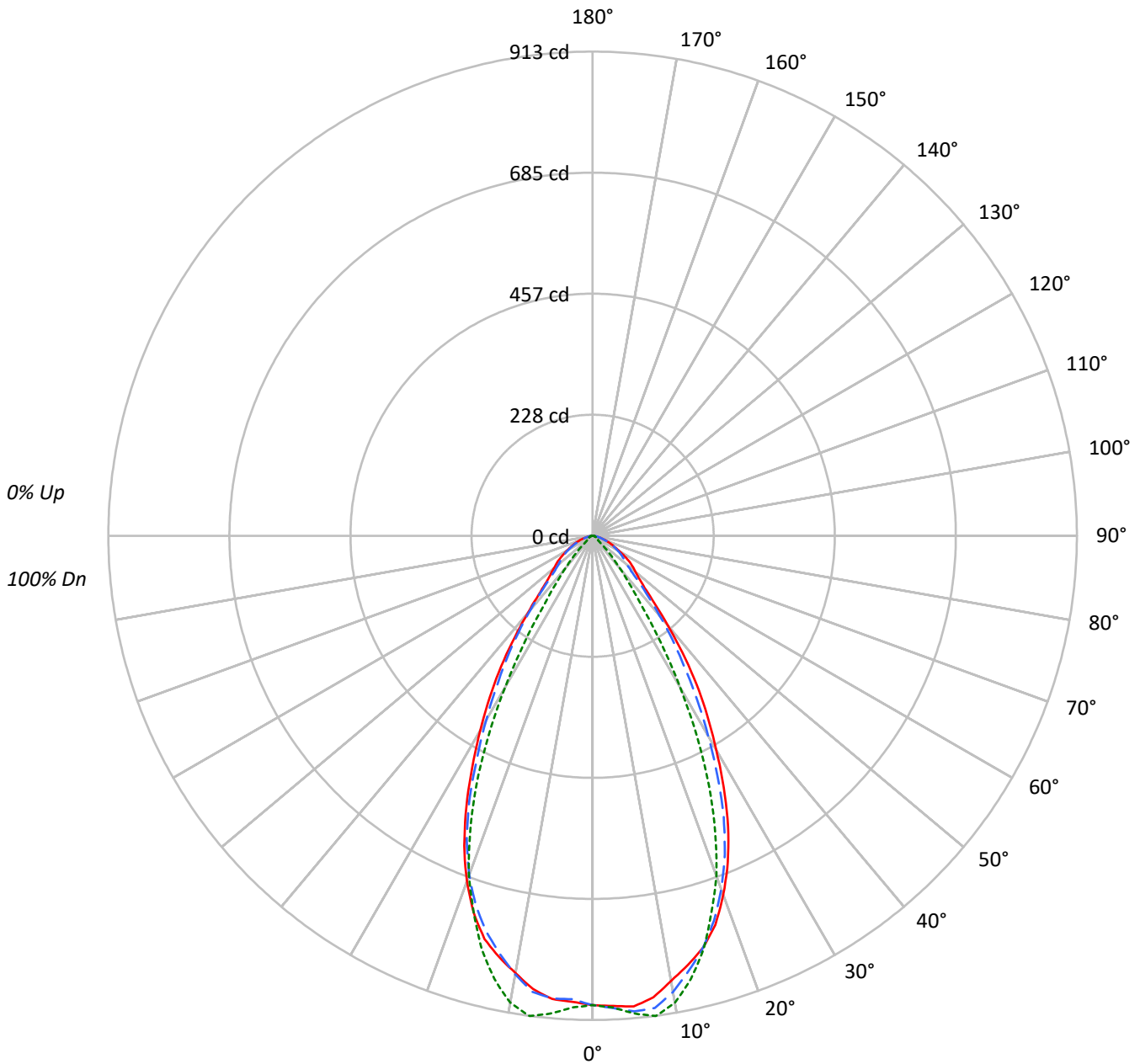
Lumens per Lamp: N/A  
Luminaire Lumens: 901.1 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
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								
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°	48516	48516	48516
5°	49026	49769	48255
10°	47438	49765	46609
15°	45653	45835	44682
20°	42021	39810	40446
25°	36571	31393	34066
30°	29492	20858	26757
35°	22868	10755	20097
40°	15687	5575	13532
45°	10753	2791	9489
50°	8946	1194	8136
55°	8048	1032	7273
60°	6370	987	6074
65°	5253	882	5202
70°	4264	801	4264
75°	3156	868	3347
80°	1863	726	1989
85°	1447	881	1447



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.2	9.3
10°-20°	221.1	24.5
20°-30°	252.4	28.0
30°-40°	167.4	18.6
40°-50°	80.7	9.0
50°-60°	49.7	5.5
60°-70°	30.1	3.3
70°-80°	12.7	1.4
80°-90°	2.8	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°	557.7	61.9
0°-40°	725.1	80.5
0°-60°	855.5	94.9
0°-90°	901.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	901.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	885	885	885	885	885	
5°	891	900	904	876	877	84
15°	804	804	808	773	787	224
25°	605	584	519	549	563	274
35°	342	301	161	281	300	211
45°	139	122	36	113	122	113
55°	84	68	11	68	76	74
65°	40	39	7	36	40	41
75°	15	15	4	14	16	16
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°	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0	885.0
2.5°	887.3	888.6	891.3	891.8	890.4	881.9	874.7	877.4	879.6
5°	890.9	893.6	900.3	906.6	904.4	890.0	875.6	875.1	876.9
7.5°	877.8	884.1	898.1	913.8	913.4	888.6	867.5	862.1	862.1
10°	852.2	858.0	873.3	894.5	894.0	863.0	839.6	836.9	837.3
12.5°	829.2	831.9	839.6	856.2	856.2	825.6	807.6	810.3	813.9
15°	804.4	806.2	804.4	809.8	807.6	782.4	773.4	781.9	787.3
17.5°	769.3	770.2	760.8	753.6	745.0	729.3	731.5	744.1	745.5
20°	720.3	726.1	709.0	690.5	682.4	667.6	680.2	694.2	693.3
22.5°	666.2	673.0	650.9	620.3	603.7	597.8	620.3	632.9	632.5
25°	604.6	609.5	584.3	541.5	519.0	518.1	549.2	562.3	563.2
27.5°	535.2	537.0	508.7	452.9	425.0	431.7	470.9	488.9	491.1
30°	465.9	465.0	435.8	366.4	329.5	348.0	400.6	420.5	422.7
32.5°	402.4	399.7	366.4	283.6	239.5	266.9	336.3	357.0	360.6
35°	341.7	337.2	301.2	209.8	160.7	201.7	280.9	298.9	300.3
37.5°	278.2	275.9	247.6	157.1	112.1	153.1	229.1	242.2	240.8
40°	219.2	219.2	195.8	116.6	77.9	113.9	181.4	193.1	189.1
42.5°	172.0	174.2	154.4	86.0	55.4	84.6	143.6	154.4	149.9
45°	138.7	138.7	121.5	63.9	36.0	63.0	113.4	123.3	122.4
47.5°	117.5	115.7	98.6	46.8	19.8	47.3	95.4	107.6	107.1
50°	104.9	102.2	84.6	36.9	14.0	39.2	83.7	95.0	95.4
52.5°	95.0	90.9	76.1	32.9	12.2	34.2	76.1	85.1	85.1
55°	84.2	81.9	68.4	29.3	10.8	30.6	68.4	76.5	76.1
57.5°	71.1	70.7	61.2	26.6	9.9	27.0	61.2	66.2	64.4
60°	58.1	59.9	53.1	23.9	9.0	24.3	52.2	56.3	55.4
62.5°	48.6	50.9	46.4	21.2	7.7	21.6	44.1	48.2	47.3
65°	40.5	42.3	38.7	18.0	6.8	18.0	36.5	40.1	40.1
67.5°	33.3	34.7	32.0	14.9	5.9	14.9	29.7	32.9	33.3
70°	26.6	27.5	25.2	11.7	5.0	12.2	23.4	26.6	26.6
72.5°	20.7	21.2	19.8	9.5	4.5	9.5	18.0	20.7	20.7
75°	14.9	15.8	14.9	7.2	4.1	7.2	14.0	15.3	15.8
77.5°	8.6	10.8	10.8	5.9	3.2	5.4	9.9	10.4	10.4
80°	5.9	6.8	7.7	4.1	2.3	4.1	6.3	6.8	6.3
82.5°	4.1	4.5	4.5	2.7	1.8	2.7	4.1	4.5	4.1
85°	2.3	3.2	3.2	2.3	1.4	1.8	2.3	2.7	2.3
87.5°	1.4	1.8	2.3	1.8	1.4	1.4	1.4	1.4	0.9
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)