

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: P799317

Luminaire Tested: **LD6C10D010 EU6109035 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: P799317  
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 6LBMDDWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

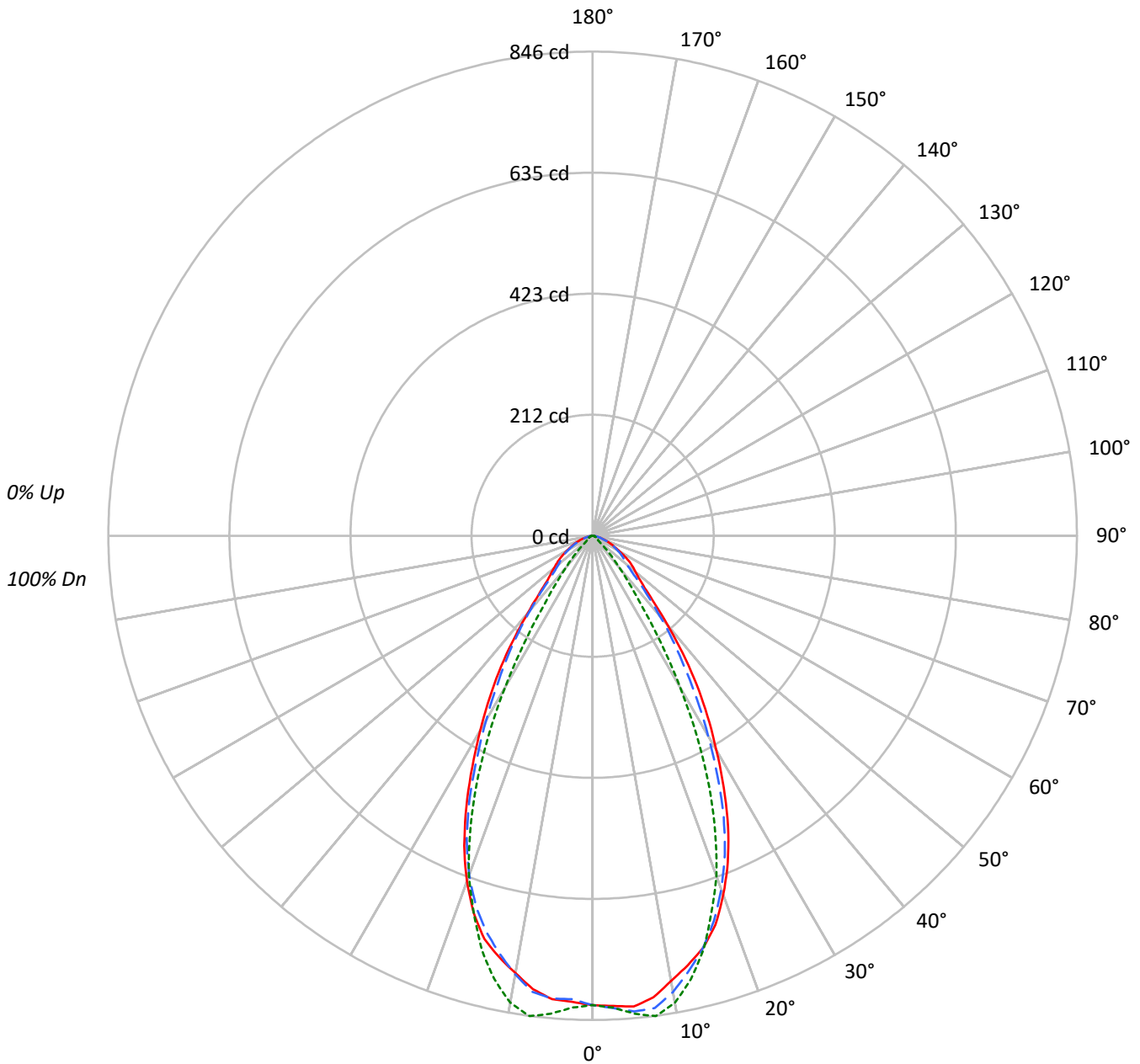
Lumens per Lamp: N/A  
Luminaire Lumens: 835.0 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
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°	44964	44964	44964
5°	45432	46120	44723
10°	43959	46119	43197
15°	42310	42475	41413
20°	38941	36899	37482
25°	33891	29094	31568
30°	27333	19332	24795
35°	21188	9965	18625
40°	14542	5167	12538
45°	9962	2589	8799
50°	8290	1100	7539
55°	7455	956	6738
60°	5899	910	5625
65°	4864	817	4812
70°	3943	737	3943
75°	2923	805	3092
80°	1705	663	1831
85°	1321	818	1321



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.1	9.3
10°-20°	204.9	24.5
20°-30°	233.9	28.0
30°-40°	155.1	18.6
40°-50°	74.8	9.0
50°-60°	46.0	5.5
60°-70°	27.8	3.3
70°-80°	11.7	1.4
80°-90°	2.6	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°	516.9	61.9
0°-40°	672.0	80.5
0°-60°	792.8	94.9
0°-90°	835.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	835.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	820	820	820	820	820	
5°	826	834	838	811	813	78
15°	746	746	748	717	730	208
25°	560	542	481	509	522	254
35°	317	279	149	260	278	196
45°	128	113	33	105	114	105
55°	78	63	10	63	70	69
65°	38	36	6	34	37	38
75°	14	14	4	13	15	15
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°	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2
2.5°	822.3	823.5	826.0	826.4	825.2	817.3	810.6	813.1	815.2
5°	825.6	828.1	834.4	840.2	838.1	824.8	811.4	811.0	812.7
7.5°	813.5	819.4	832.3	846.9	846.5	823.5	803.9	798.9	798.9
10°	789.7	795.2	809.3	829.0	828.5	799.7	778.1	775.6	776.0
12.5°	768.5	771.0	778.1	793.5	793.5	765.1	748.4	750.9	754.3
15°	745.5	747.2	745.5	750.5	748.4	725.1	716.7	724.7	729.7
17.5°	713.0	713.8	705.0	698.4	690.4	675.8	677.9	689.6	690.9
20°	667.5	672.9	657.1	640.0	632.5	618.7	630.4	643.3	642.5
22.5°	617.4	623.7	603.3	574.9	559.4	554.0	574.9	586.6	586.1
25°	560.3	564.9	541.5	501.9	481.0	480.2	509.0	521.1	521.9
27.5°	496.0	497.7	471.4	419.7	393.8	400.1	436.4	453.1	455.2
30°	431.8	431.0	403.8	339.6	305.4	322.5	371.3	389.7	391.7
32.5°	373.0	370.5	339.6	262.8	221.9	247.4	311.6	330.8	334.2
35°	316.6	312.5	279.1	194.4	148.9	186.9	260.3	277.0	278.3
37.5°	257.8	255.7	229.5	145.6	103.9	141.8	212.3	224.4	223.2
40°	203.2	203.2	181.5	108.1	72.2	105.5	168.1	179.0	175.2
42.5°	159.4	161.5	143.1	79.7	51.3	78.4	133.1	143.1	138.9
45°	128.5	128.5	112.6	59.2	33.4	58.4	105.1	114.3	113.5
47.5°	108.9	107.2	91.4	43.4	18.4	43.8	88.4	99.7	99.3
50°	97.2	94.7	78.4	34.2	12.9	36.3	77.6	88.0	88.4
52.5°	88.0	84.3	70.5	30.5	11.3	31.7	70.5	78.8	78.8
55°	78.0	75.9	63.4	27.1	10.0	28.4	63.4	70.9	70.5
57.5°	65.9	65.5	56.7	24.6	9.2	25.0	56.7	61.3	59.7
60°	53.8	55.5	49.2	22.1	8.3	22.5	48.4	52.1	51.3
62.5°	45.1	47.1	43.0	19.6	7.1	20.0	40.9	44.6	43.8
65°	37.5	39.2	35.9	16.7	6.3	16.7	33.8	37.1	37.1
67.5°	30.9	32.1	29.6	13.8	5.4	13.8	27.5	30.5	30.9
70°	24.6	25.4	23.4	10.8	4.6	11.3	21.7	24.6	24.6
72.5°	19.2	19.6	18.4	8.8	4.2	8.8	16.7	19.2	19.2
75°	13.8	14.6	13.8	6.7	3.8	6.7	12.9	14.2	14.6
77.5°	7.9	10.0	10.0	5.4	2.9	5.0	9.2	9.6	9.6
80°	5.4	6.3	7.1	3.8	2.1	3.8	5.8	6.3	5.8
82.5°	3.8	4.2	4.2	2.5	1.7	2.5	3.8	4.2	3.8
85°	2.1	2.9	2.9	2.1	1.3	1.7	2.1	2.5	2.1
87.5°	1.3	1.7	2.1	1.7	1.3	1.3	1.3	1.3	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)