

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: P799329

Luminaire Tested: **LD6C10D010 EU6109040 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: P799329  
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 EU6109040 6LBMDDWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

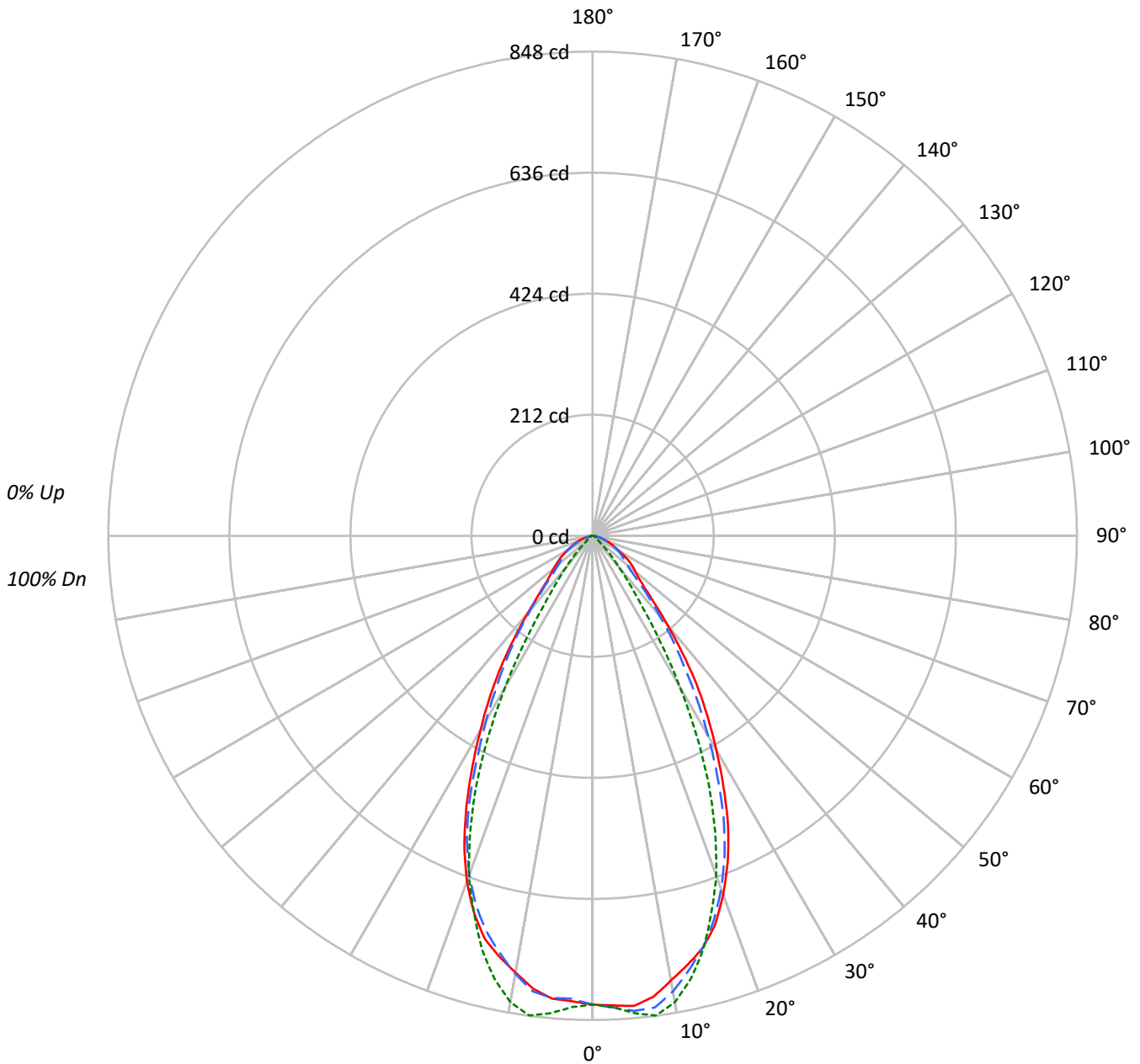
Lumens per Lamp: N/A  
Luminaire Lumens: 836.0 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
Input Voltage (V): NR  
Input Current (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					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°	45018	45018	45018
5°	45487	46175	44778
10°	44015	46175	43247
15°	42361	42526	41459
20°	38988	36940	37523
25°	33933	29131	31605
30°	27365	19351	24827
35°	21215	9978	18645
40°	14556	5174	12552
45°	9970	2589	8807
50°	8298	1100	7548
55°	7464	956	6748
60°	5910	921	5636
65°	4877	817	4825
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°	78.2	9.4
10°-20°	205.2	24.5
20°-30°	234.2	28.0
30°-40°	155.3	18.6
40°-50°	74.9	9.0
50°-60°	46.1	5.5
60°-70°	27.9	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°	517.5	61.9
0°-40°	672.8	80.5
0°-60°	793.8	94.9
0°-90°	836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	821	821	821	821	821	
5°	827	835	839	812	814	78
15°	746	746	749	718	730	208
25°	561	542	482	510	522	254
35°	317	279	149	261	279	196
45°	129	113	33	105	114	105
55°	78	64	10	64	71	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°	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2	821.2
2.5°	823.3	824.5	827.0	827.4	826.2	818.2	811.6	814.1	816.2
5°	826.6	829.1	835.4	841.2	839.1	825.8	812.4	812.0	813.7
7.5°	814.5	820.3	833.3	847.9	847.5	824.5	804.9	799.9	799.9
10°	790.7	796.1	810.3	829.9	829.5	800.7	779.0	776.5	776.9
12.5°	769.4	771.9	779.0	794.4	794.4	766.0	749.3	751.8	755.2
15°	746.4	748.1	746.4	751.4	749.3	725.9	717.6	725.5	730.5
17.5°	713.8	714.7	705.9	699.2	691.3	676.7	678.7	690.4	691.7
20°	668.3	673.7	657.9	640.7	633.2	619.4	631.1	644.1	643.2
22.5°	618.2	624.4	604.0	575.6	560.1	554.7	575.6	587.3	586.9
25°	561.0	565.5	542.2	502.5	481.6	480.8	509.6	521.7	522.5
27.5°	496.6	498.3	472.0	420.2	394.3	400.6	436.9	453.6	455.7
30°	432.3	431.5	404.3	340.0	305.7	322.9	371.7	390.1	392.2
32.5°	373.4	370.9	340.0	263.1	222.2	247.7	312.0	331.2	334.6
35°	317.0	312.8	279.4	194.6	149.1	187.1	260.6	277.3	278.6
37.5°	258.1	256.0	229.7	145.8	104.0	142.0	212.6	224.7	223.5
40°	203.4	203.4	181.7	108.2	72.3	105.7	168.3	179.2	175.4
42.5°	159.6	161.6	143.3	79.8	51.4	78.5	133.2	143.3	139.1
45°	128.6	128.6	112.8	59.3	33.4	58.5	105.3	114.4	113.6
47.5°	109.0	107.3	91.5	43.4	18.4	43.9	88.5	99.8	99.4
50°	97.3	94.8	78.5	34.3	12.9	36.3	77.7	88.1	88.5
52.5°	88.1	84.4	70.6	30.5	11.3	31.7	70.6	78.9	78.9
55°	78.1	76.0	63.5	27.1	10.0	28.4	63.5	71.0	70.6
57.5°	66.0	65.6	56.8	24.6	9.2	25.1	56.8	61.4	59.7
60°	53.9	55.6	49.3	22.1	8.4	22.6	48.5	52.2	51.4
62.5°	45.1	47.2	43.0	19.6	7.1	20.0	40.9	44.7	43.9
65°	37.6	39.3	35.9	16.7	6.3	16.7	33.8	37.2	37.2
67.5°	30.9	32.2	29.7	13.8	5.4	13.8	27.6	30.5	30.9
70°	24.6	25.5	23.4	10.9	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)