

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: P799282

Luminaire Tested: **LD6C08D010 EU6089050 6LBMDDWLI**

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: P799282  
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 EU6089050 6LBMDDWLI  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

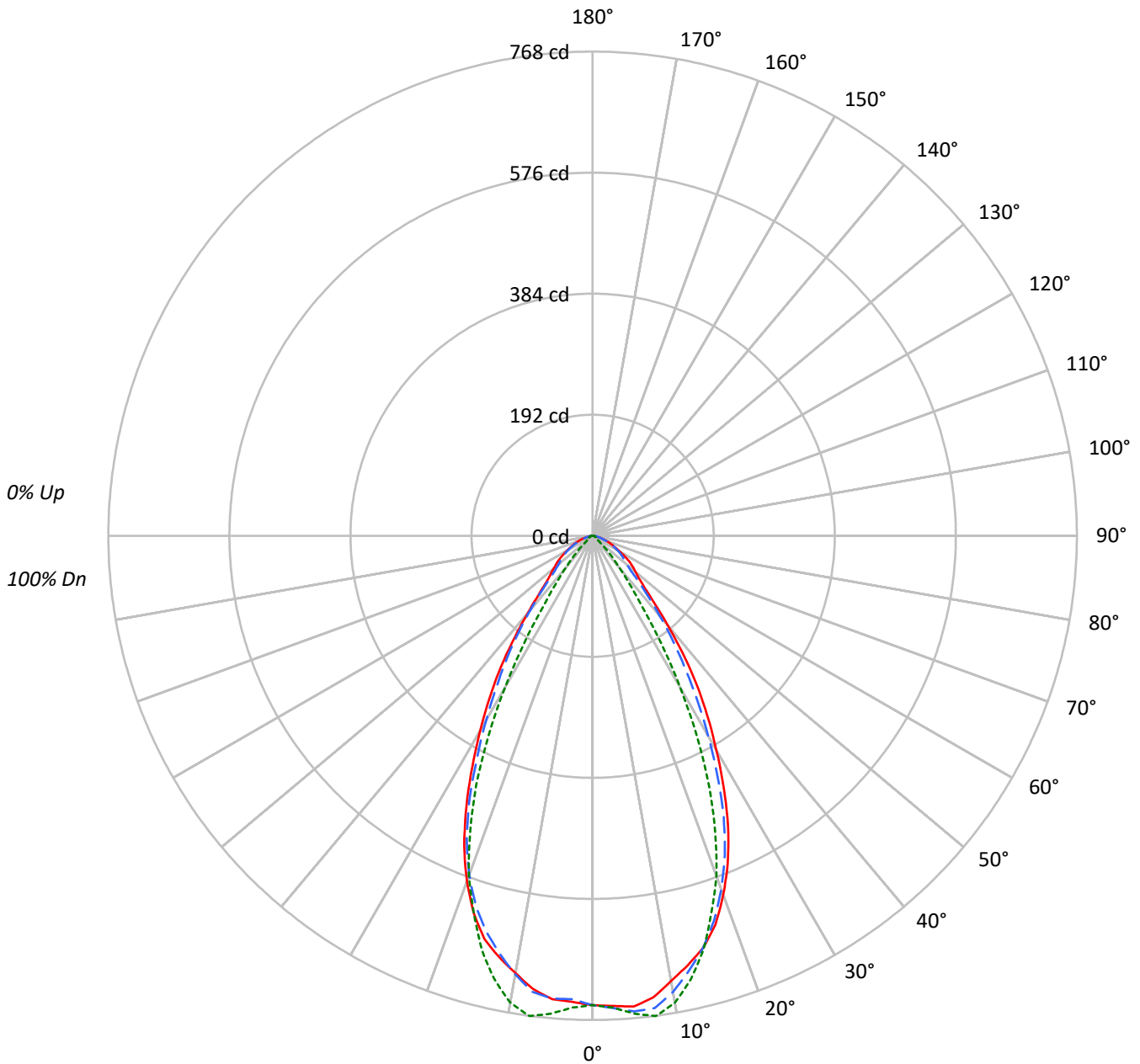
Lumens per Lamp: N/A  
Luminaire Lumens: 758.0 lumens  
Efficiency: N/A  
Efficacy: 76.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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				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			100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	40819	40819	40819
5°	41245	41866	40595
10°	39907	41866	39211
15°	38411	38559	37594
20°	35347	33492	34023
25°	30764	26415	28659
30°	24814	17547	22510
35°	19234	9048	16905
40°	13196	4687	11386
45°	9040	2349	7985
50°	7522	998	6848
55°	6767	870	6117
60°	5361	833	5109
65°	4423	739	4371
70°	3574	673	3574
75°	2648	720	2817
80°	1547	600	1673
85°	1195	692	1195



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.9	9.3
10°-20°	186.0	24.5
20°-30°	212.3	28.0
30°-40°	140.8	18.6
40°-50°	67.9	9.0
50°-60°	41.8	5.5
60°-70°	25.3	3.3
70°-80°	10.6	1.4
80°-90°	2.3	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°	469.2	61.9
0°-40°	610.0	80.5
0°-60°	719.7	95.0
0°-90°	758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	745	745	745	745	745	
5°	750	757	761	737	738	70
15°	677	677	679	651	662	189
25°	509	492	437	462	474	231
35°	287	253	135	236	253	178
45°	117	102	30	95	103	95
55°	71	58	9	58	64	62
65°	34	33	6	31	34	34
75°	12	12	3	12	13	13
85°	2	3	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°	744.6	744.6	744.6	744.6	744.6	744.6	744.6	744.6	744.6
2.5°	746.4	747.6	749.9	750.2	749.1	741.9	735.8	738.1	740.0
5°	749.5	751.8	757.4	762.7	760.8	748.7	736.6	736.2	737.7
7.5°	738.5	743.8	755.5	768.8	768.4	747.6	729.8	725.2	725.2
10°	716.9	721.8	734.7	752.5	752.1	726.0	706.3	704.0	704.4
12.5°	697.6	699.9	706.3	720.3	720.3	694.6	679.4	681.7	684.7
15°	676.8	678.3	676.8	681.3	679.4	658.2	650.6	657.8	662.4
17.5°	647.2	648.0	640.0	634.0	626.8	613.5	615.4	626.0	627.2
20°	605.9	610.9	596.5	581.0	574.1	561.6	572.2	584.0	583.2
22.5°	560.5	566.2	547.6	521.9	507.9	502.9	521.9	532.5	532.1
25°	508.6	512.8	491.6	455.6	436.7	435.9	462.0	473.0	473.8
27.5°	450.3	451.8	427.9	381.0	357.5	363.2	396.1	411.3	413.2
30°	392.0	391.2	366.6	308.3	277.2	292.7	337.1	353.7	355.6
32.5°	338.6	336.3	308.3	238.6	201.5	224.6	282.9	300.3	303.4
35°	287.4	283.7	253.4	176.5	135.2	169.7	236.3	251.5	252.6
37.5°	234.0	232.2	208.3	132.2	94.3	128.8	192.8	203.7	202.6
40°	184.4	184.4	164.7	98.1	65.5	95.8	152.6	162.5	159.1
42.5°	144.7	146.6	129.9	72.3	46.6	71.2	120.8	129.9	126.1
45°	116.6	116.6	102.3	53.8	30.3	53.0	95.4	103.8	103.0
47.5°	98.8	97.3	82.9	39.4	16.7	39.8	80.3	90.5	90.1
50°	88.2	86.0	71.2	31.1	11.7	32.9	70.4	79.9	80.3
52.5°	79.9	76.5	64.0	27.6	10.2	28.8	64.0	71.6	71.6
55°	70.8	68.9	57.6	24.6	9.1	25.8	57.6	64.4	64.0
57.5°	59.8	59.5	51.5	22.3	8.3	22.7	51.5	55.7	54.2
60°	48.9	50.4	44.7	20.1	7.6	20.5	43.9	47.3	46.6
62.5°	40.9	42.8	39.0	17.8	6.4	18.2	37.1	40.5	39.8
65°	34.1	35.6	32.6	15.1	5.7	15.1	30.7	33.7	33.7
67.5°	28.0	29.2	26.9	12.5	4.9	12.5	25.0	27.6	28.0
70°	22.3	23.1	21.2	9.8	4.2	10.2	19.7	22.3	22.3
72.5°	17.4	17.8	16.7	8.0	3.8	8.0	15.1	17.4	17.4
75°	12.5	13.3	12.5	6.1	3.4	6.1	11.7	12.9	13.3
77.5°	7.2	9.1	9.1	4.9	2.7	4.5	8.3	8.7	8.7
80°	4.9	5.7	6.4	3.4	1.9	3.4	5.3	5.7	5.3
82.5°	3.4	3.8	3.8	2.3	1.5	2.3	3.4	3.8	3.4
85°	1.9	2.7	2.7	1.9	1.1	1.5	1.9	2.3	1.9
87.5°	1.1	1.5	1.9	1.5	1.1	1.1	1.1	1.1	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)