

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: P799247

Luminaire Tested: **LD6C08D010 EU6089030 6LBMDDWMW**

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: P799247  
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 EU6089030 6LBMDDWMW  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDDW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

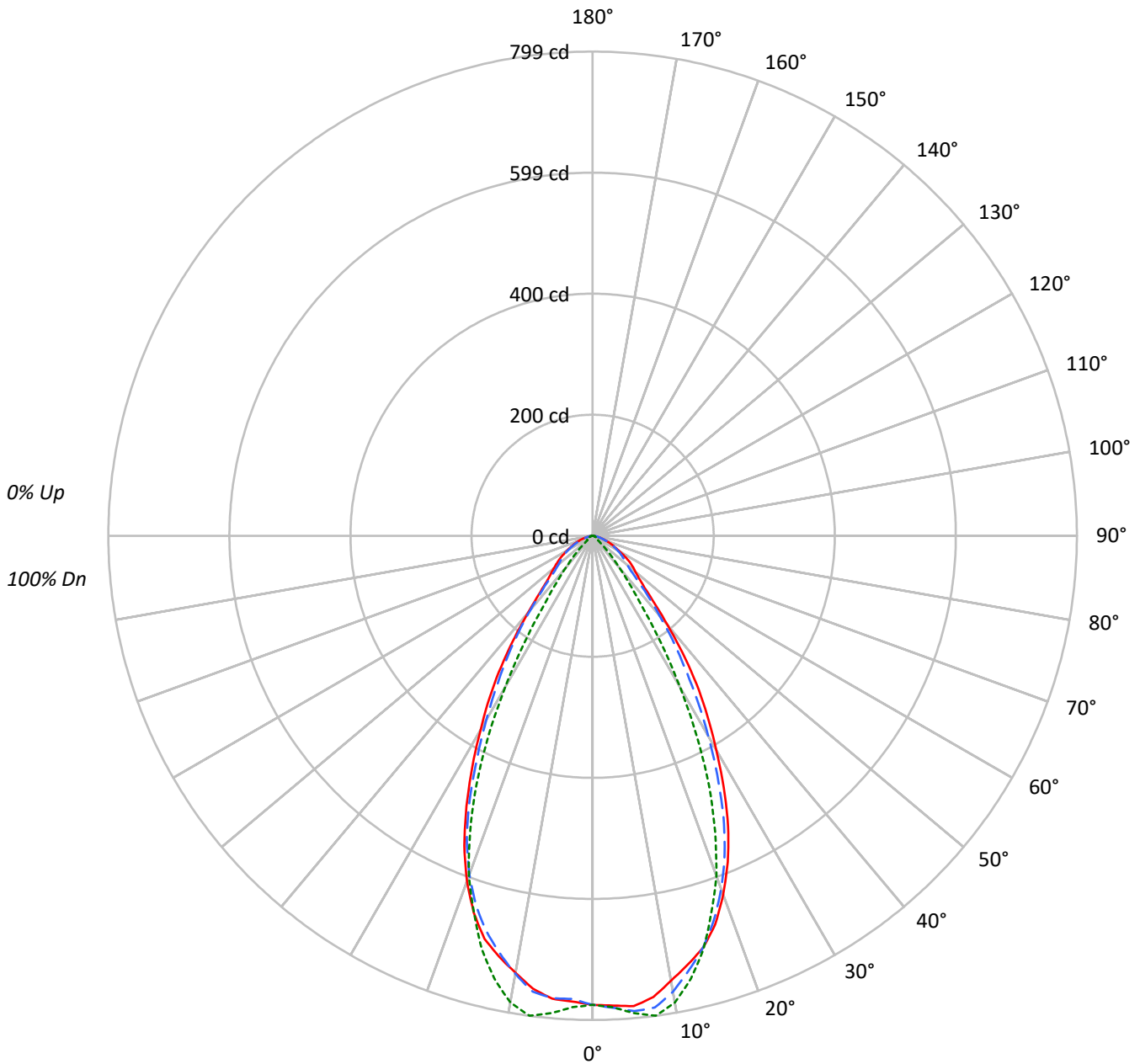
Lumens per Lamp: N/A  
Luminaire Lumens: 788.0 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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									
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°	42431	42431	42431
5°	42874	43528	42202
10°	41488	43525	40764
15°	39932	40085	39081
20°	36747	34822	35371
25°	31980	27455	29790
30°	25795	18243	23402
35°	19997	9409	17574
40°	13719	4873	11836
45°	9404	2442	8303
50°	7821	1040	7121
55°	7034	898	6356
60°	5570	866	5307
65°	4592	765	4540
70°	3719	689	3719
75°	2754	741	2923
80°	1610	631	1736
85°	1258	755	1258



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.7	9.4
10°-20°	193.4	24.5
20°-30°	220.7	28.0
30°-40°	146.4	18.6
40°-50°	70.6	9.0
50°-60°	43.4	5.5
60°-70°	26.3	3.3
70°-80°	11.1	1.4
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°	487.8	61.9
0°-40°	634.2	80.5
0°-60°	748.2	95.0
0°-90°	788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	788.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	774	774	774	774	774	
5°	779	787	791	766	767	73
15°	704	704	706	676	689	196
25°	529	511	454	480	492	240
35°	299	263	141	246	263	185
45°	121	106	32	99	107	99
55°	74	60	9	60	66	65
65°	35	34	6	32	35	36
75°	13	13	4	12	14	14
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°	774.0	774.0	774.0	774.0	774.0	774.0	774.0	774.0	774.0
2.5°	776.0	777.2	779.5	779.9	778.7	771.3	765.0	767.3	769.3
5°	779.1	781.5	787.4	792.9	791.0	778.4	765.8	765.4	766.9
7.5°	767.7	773.2	785.4	799.2	798.8	777.2	758.7	753.9	753.9
10°	745.3	750.4	763.8	782.3	781.9	754.7	734.3	731.9	732.3
12.5°	725.2	727.6	734.3	748.8	748.8	722.1	706.3	708.7	711.8
15°	703.6	705.1	703.6	708.3	706.3	684.3	676.4	683.9	688.6
17.5°	672.8	673.6	665.4	659.1	651.6	637.8	639.8	650.8	652.0
20°	629.9	635.0	620.1	603.9	596.9	583.9	594.9	607.1	606.3
22.5°	582.7	588.6	569.3	542.5	528.0	522.8	542.5	553.5	553.2
25°	528.7	533.1	511.0	473.6	453.9	453.2	480.3	491.7	492.5
27.5°	468.1	469.7	444.9	396.1	371.7	377.6	411.8	427.6	429.5
30°	407.5	406.7	381.1	320.5	288.2	304.3	350.4	367.7	369.7
32.5°	352.0	349.6	320.5	248.0	209.5	233.5	294.1	312.2	315.4
35°	298.8	294.9	263.4	183.5	140.6	176.4	245.7	261.4	262.6
37.5°	243.3	241.3	216.5	137.4	98.0	133.9	200.4	211.8	210.6
40°	191.7	191.7	171.3	102.0	68.1	99.6	158.7	168.9	165.4
42.5°	150.4	152.4	135.0	75.2	48.4	74.0	125.6	135.0	131.1
45°	121.3	121.3	106.3	55.9	31.5	55.1	99.2	107.9	107.1
47.5°	102.8	101.2	86.2	40.9	17.3	41.3	83.5	94.1	93.7
50°	91.7	89.4	74.0	32.3	12.2	34.3	73.2	83.1	83.5
52.5°	83.1	79.5	66.5	28.7	10.6	29.9	66.5	74.4	74.4
55°	73.6	71.7	59.8	25.6	9.4	26.8	59.8	66.9	66.5
57.5°	62.2	61.8	53.5	23.2	8.7	23.6	53.5	57.9	56.3
60°	50.8	52.4	46.5	20.9	7.9	21.3	45.7	49.2	48.4
62.5°	42.5	44.5	40.6	18.5	6.7	18.9	38.6	42.1	41.3
65°	35.4	37.0	33.9	15.7	5.9	15.7	31.9	35.0	35.0
67.5°	29.1	30.3	28.0	13.0	5.1	13.0	26.0	28.7	29.1
70°	23.2	24.0	22.0	10.2	4.3	10.6	20.5	23.2	23.2
72.5°	18.1	18.5	17.3	8.3	3.9	8.3	15.7	18.1	18.1
75°	13.0	13.8	13.0	6.3	3.5	6.3	12.2	13.4	13.8
77.5°	7.5	9.4	9.4	5.1	2.8	4.7	8.7	9.1	9.1
80°	5.1	5.9	6.7	3.5	2.0	3.5	5.5	5.9	5.5
82.5°	3.5	3.9	3.9	2.4	1.6	2.4	3.5	3.9	3.5
85°	2.0	2.8	2.8	2.0	1.2	1.6	2.0	2.4	2.0
87.5°	1.2	1.6	2.0	1.6	1.2	1.2	1.2	1.2	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)