

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: P799293

Luminaire Tested: **LD6C10D010 EU6109027 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: P799293  
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 EU6109027 6LBMDDWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

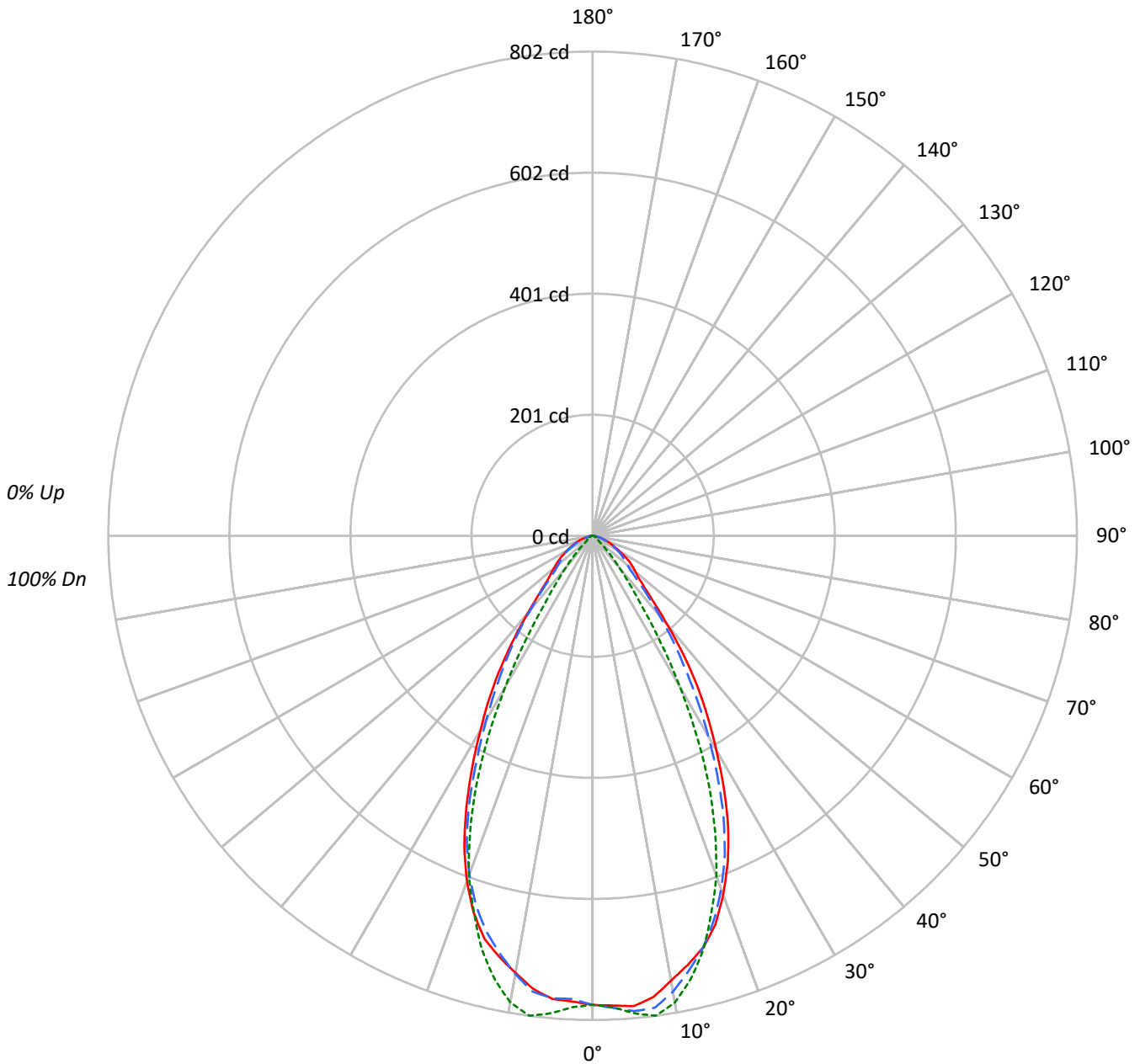
Lumens per Lamp: N/A  
Luminaire Lumens: 791.0 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	42595	42595	42595
5°	43039	43693	42367
10°	41644	43692	40920
15°	40080	40239	39228
20°	36887	34951	35505
25°	32107	27564	29905
30°	25890	18313	23491
35°	20077	9443	17641
40°	13776	4895	11879
45°	9435	2450	8334
50°	7855	1049	7147
55°	7063	908	6384
60°	5592	866	5329
65°	4618	765	4566
70°	3735	689	3735
75°	2754	763	2923
80°	1610	631	1736
85°	1258	755	1258



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.0	9.3
10°-20°	194.1	24.5
20°-30°	221.6	28.0
30°-40°	146.9	18.6
40°-50°	70.9	9.0
50°-60°	43.6	5.5
60°-70°	26.4	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°	489.7	61.9
0°-40°	636.6	80.5
0°-60°	751.1	95.0
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	777	777	777	777	777	
5°	782	790	794	769	770	73
15°	706	706	709	679	691	197
25°	531	513	456	482	494	241
35°	300	264	141	247	264	186
45°	122	107	32	100	108	99
55°	74	60	10	60	67	65
65°	36	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°	777.0	777.0	777.0	777.0	777.0	777.0	777.0	777.0	777.0
2.5°	778.9	780.1	782.5	782.9	781.7	774.2	767.9	770.3	772.2
5°	782.1	784.5	790.4	795.9	794.0	781.3	768.7	768.3	769.9
7.5°	770.6	776.2	788.4	802.3	801.9	780.1	761.6	756.8	756.8
10°	748.1	753.3	766.7	785.3	784.9	757.6	737.1	734.7	735.1
12.5°	728.0	730.3	737.1	751.7	751.7	724.8	709.0	711.4	714.5
15°	706.2	707.8	706.2	711.0	709.0	686.9	679.0	686.5	691.2
17.5°	675.4	676.2	667.9	661.6	654.1	640.2	642.2	653.3	654.5
20°	632.3	637.5	622.4	606.2	599.1	586.1	597.2	609.4	608.6
22.5°	584.9	590.8	571.5	544.6	530.0	524.8	544.6	555.7	555.3
25°	530.8	535.1	513.0	475.4	455.7	454.9	482.1	493.6	494.4
27.5°	469.9	471.5	446.6	397.6	373.1	379.0	413.4	429.2	431.2
30°	409.0	408.2	382.6	321.7	289.3	305.5	351.7	369.1	371.1
32.5°	353.3	350.9	321.7	249.0	210.2	234.4	295.2	313.4	316.6
35°	300.0	296.0	264.4	184.2	141.1	177.1	246.6	262.4	263.6
37.5°	244.2	242.3	217.4	137.9	98.4	134.4	201.2	212.6	211.4
40°	192.5	192.5	171.9	102.4	68.4	100.0	159.3	169.5	166.0
42.5°	151.0	152.9	135.6	75.5	48.6	74.3	126.1	135.6	131.6
45°	121.7	121.7	106.7	56.1	31.6	55.3	99.6	108.3	107.5
47.5°	103.1	101.6	86.5	41.1	17.4	41.5	83.8	94.5	94.1
50°	92.1	89.7	74.3	32.4	12.3	34.4	73.5	83.4	83.8
52.5°	83.4	79.8	66.8	28.8	10.7	30.0	66.8	74.7	74.7
55°	73.9	71.9	60.1	25.7	9.5	26.9	60.1	67.2	66.8
57.5°	62.4	62.0	53.7	23.3	8.7	23.7	53.7	58.1	56.5
60°	51.0	52.6	46.6	20.9	7.9	21.3	45.8	49.4	48.6
62.5°	42.7	44.7	40.7	18.6	6.7	19.0	38.7	42.3	41.5
65°	35.6	37.1	34.0	15.8	5.9	15.8	32.0	35.2	35.2
67.5°	29.2	30.4	28.1	13.0	5.1	13.0	26.1	28.8	29.2
70°	23.3	24.1	22.1	10.3	4.3	10.7	20.6	23.3	23.3
72.5°	18.2	18.6	17.4	8.3	4.0	8.3	15.8	18.2	18.2
75°	13.0	13.8	13.0	6.3	3.6	6.3	12.3	13.4	13.8
77.5°	7.5	9.5	9.5	5.1	2.8	4.7	8.7	9.1	9.1
80°	5.1	5.9	6.7	3.6	2.0	3.6	5.5	5.9	5.5
82.5°	3.6	4.0	4.0	2.4	1.6	2.4	3.6	4.0	3.6
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)