

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: P799262

Luminaire Tested: **LD6C08D010 EU6089035 6LBMDSWGPH**

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: P799262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C08D010 EU6089035 6LBMDSWGPH  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBMDSW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

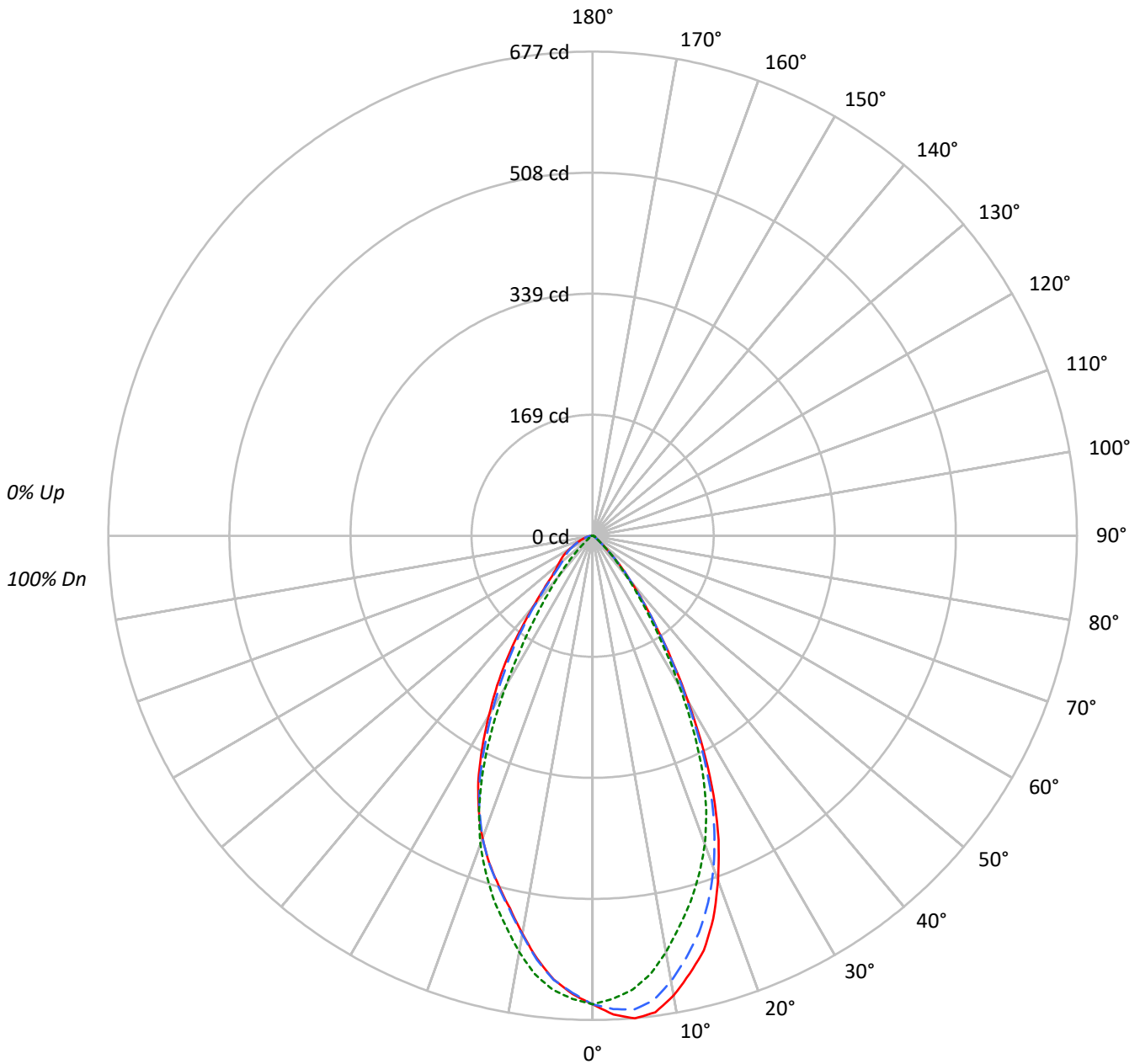
Lumens per Lamp: N/A  
Luminaire Lumens: 564.0 lumens  
Efficiency: N/A  
Efficacy: 57.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

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

	0°	90°	180°
0°	35913	35913	35913
5°	37277	35070	34278
10°	36322	32893	31446
15°	34069	30057	28757
20°	29904	26760	26246
25°	24189	21981	22888
30°	16813	15312	18319
35°	10366	9383	13826
40°	5868	5260	9181
45°	2845	2713	6264
50°	1083	1083	5330
55°	593	698	4913
60°	439	559	4024
65°	363	480	3295
70°	321	401	2725
75°	297	424	2330
80°	189	347	1705
85°	189	692	1572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.0	10.6
10°-20°	150.7	26.7
20°-30°	169.7	30.1
30°-40°	105.1	18.6
40°-50°	41.8	7.4
50°-60°	19.0	3.4
60°-70°	11.0	1.9
70°-80°	5.2	0.9
80°-90°	1.5	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°	380.4	67.4
0°-40°	485.4	86.1
0°-60°	546.3	96.9
0°-90°	564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	564.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	655	655	655	655	655	
5°	677	665	637	623	623	64
15°	600	574	530	508	507	166
25°	400	389	363	372	378	180
35°	155	154	140	195	207	100
45°	37	37	35	76	81	31
55°	6	6	7	45	51	6
65°	3	2	4	25	25	3
75°	1	1	2	11	11	1
85°	0	0	1	2	2	0
90°	0	0	0	0	0	



TEST NUMBER: P799262

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1	655.1
2.5°	670.1	663.8	662.4	657.1	648.0	642.9	639.8	637.6	641.5
5°	677.4	670.6	665.0	653.9	637.3	627.9	623.4	619.8	622.9
7.5°	672.0	662.4	654.8	639.5	618.3	603.9	597.7	593.5	596.3
10°	652.5	640.9	632.2	614.1	590.9	573.7	566.1	562.1	564.9
12.5°	627.1	617.5	604.2	584.4	559.6	541.5	535.8	532.7	533.8
15°	600.3	588.9	574.3	554.5	529.6	511.5	508.1	506.1	506.7
17.5°	561.3	550.2	537.5	518.3	495.4	480.7	480.7	479.3	480.1
20°	512.6	506.7	494.3	478.2	458.7	445.4	449.6	448.2	449.9
22.5°	460.1	455.6	444.8	431.5	415.1	404.7	414.0	413.7	416.0
25°	399.9	396.5	389.1	377.8	363.4	356.9	372.5	372.5	378.4
27.5°	333.5	330.1	325.0	315.4	303.5	301.5	324.4	327.3	333.8
30°	265.6	263.4	260.6	251.8	241.9	245.6	277.2	282.0	289.4
32.5°	205.2	203.8	202.9	195.0	186.2	198.4	234.6	240.8	248.1
35°	154.9	151.8	154.0	148.1	140.2	155.4	195.3	200.6	206.6
37.5°	114.2	111.9	113.9	109.7	102.6	119.3	156.8	160.2	164.2
40°	82.0	80.0	81.7	79.1	73.5	89.0	122.9	126.6	128.3
42.5°	58.2	54.8	56.5	54.5	51.7	67.0	96.7	100.0	100.6
45°	36.7	35.6	36.7	35.6	35.0	49.7	76.3	79.4	80.8
47.5°	22.3	20.9	20.9	20.3	20.9	36.7	63.0	67.5	69.8
50°	12.7	12.2	11.9	11.6	12.7	28.8	54.5	59.6	62.5
52.5°	8.5	8.2	8.2	7.9	9.3	24.3	49.2	53.7	56.5
55°	6.2	5.9	5.9	5.9	7.3	20.9	45.2	48.9	51.4
57.5°	4.8	4.8	4.8	4.5	6.2	17.8	40.4	42.4	44.4
60°	4.0	3.7	3.7	3.7	5.1	15.3	34.8	35.6	36.7
62.5°	3.1	3.1	3.1	3.1	4.2	13.6	30.0	30.0	30.5
65°	2.8	2.5	2.5	2.5	3.7	11.9	25.2	24.9	25.4
67.5°	2.3	2.3	2.3	2.3	3.1	10.2	20.6	20.3	20.9
70°	2.0	2.0	2.0	2.0	2.5	8.5	16.7	16.4	17.0
72.5°	1.7	1.7	1.7	1.7	2.3	7.1	13.3	13.3	13.6
75°	1.4	1.4	1.4	1.4	2.0	5.4	10.7	10.7	11.0
77.5°	1.1	1.1	1.1	1.1	1.4	4.2	8.2	7.9	7.9
80°	0.6	0.8	0.8	0.8	1.1	3.1	5.9	5.4	5.4
82.5°	0.3	0.6	0.6	0.6	1.1	2.3	4.0	3.7	3.7
85°	0.3	0.3	0.3	0.8	1.1	1.7	2.5	2.5	2.5
87.5°	0.0	0.3	0.6	1.1	1.4	1.4	1.7	1.4	1.4
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)