

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: P799248

Luminaire Tested: **LD6C08D010 EU6089030 6LBMDDWWH**

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: P799248  
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 6LBMDDWWH  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

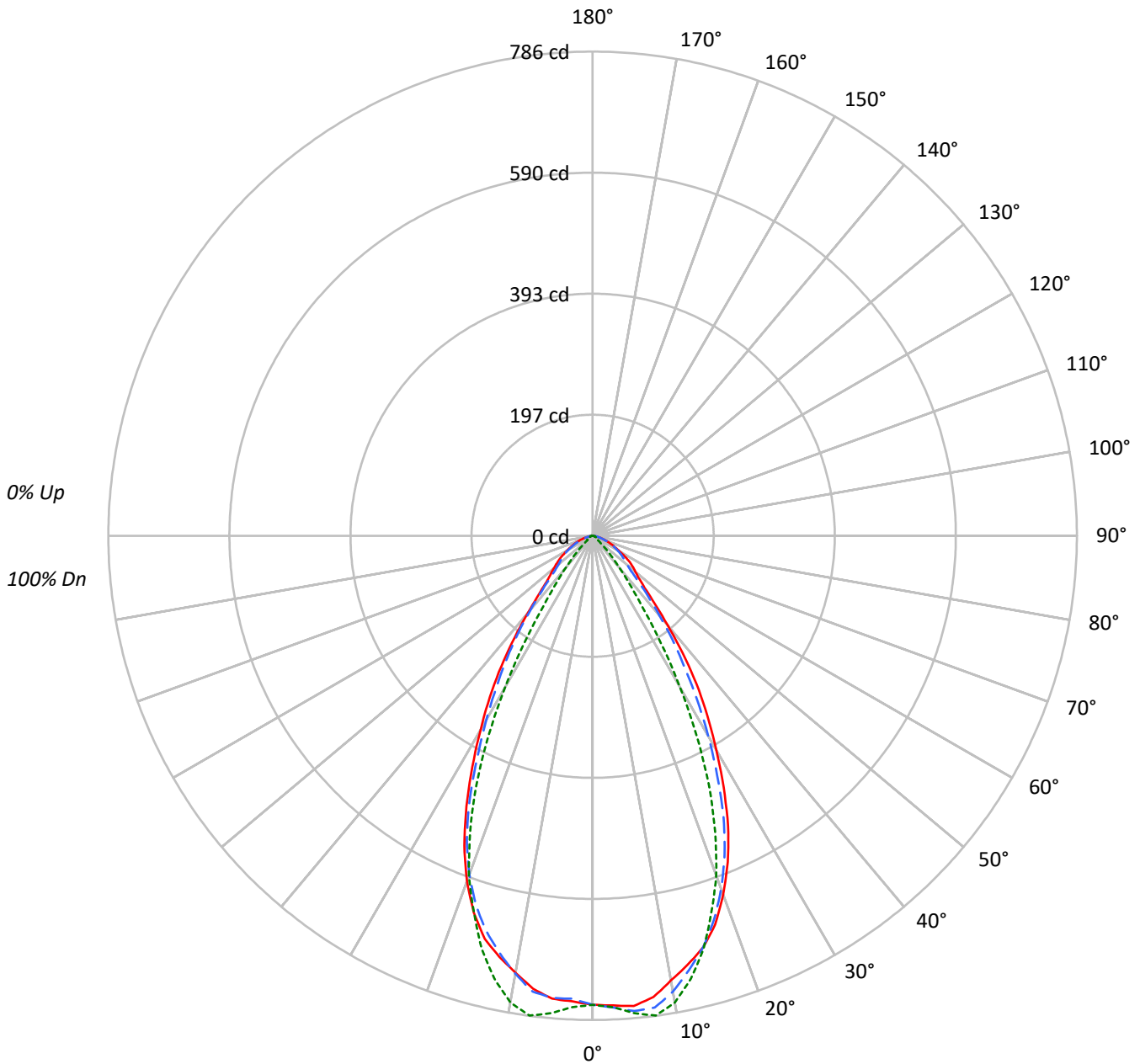
Lumens per Lamp: N/A  
Luminaire Lumens: 775.0 lumens  
Efficiency: N/A  
Efficacy: 78.3 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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°	41735	41735	41735
5°	42169	42808	41509
10°	40803	42807	40091
15°	39268	39427	38434
20°	36141	34245	34787
25°	31453	27008	29300
30°	25371	17939	23016
35°	19669	9249	17286
40°	13497	4795	11636
45°	9249	2403	8164
50°	7693	1023	7002
55°	6920	889	6251
60°	5482	844	5219
65°	4514	752	4475
70°	3654	689	3654
75°	2711	741	2881
80°	1578	600	1705
85°	1195	755	1195



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.5	9.4
10°-20°	190.2	24.5
20°-30°	217.1	28.0
30°-40°	144.0	18.6
40°-50°	69.4	9.0
50°-60°	42.7	5.5
60°-70°	25.9	3.3
70°-80°	10.9	1.4
80°-90°	2.4	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°	479.8	61.9
0°-40°	623.7	80.5
0°-60°	735.9	95.0
0°-90°	775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	761	761	761	761	761	
5°	766	774	778	753	754	72
15°	692	692	695	665	677	193
25°	520	503	446	472	484	236
35°	294	259	138	242	258	182
45°	119	104	31	98	105	97
55°	72	59	9	59	65	64
65°	35	33	6	31	34	35
75°	13	13	4	12	14	14
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°	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3	761.3
2.5°	763.2	764.4	766.7	767.1	765.9	758.5	752.3	754.7	756.6
5°	766.3	768.6	774.4	779.8	777.9	765.5	753.1	752.7	754.3
7.5°	755.1	760.5	772.5	786.0	785.6	764.4	746.2	741.5	741.5
10°	733.0	738.0	751.2	769.4	769.0	742.3	722.1	719.8	720.2
12.5°	713.2	715.6	722.1	736.5	736.5	710.1	694.7	697.0	700.1
15°	691.9	693.5	691.9	696.6	694.7	673.0	665.2	672.6	677.2
17.5°	661.7	662.5	654.4	648.2	640.8	627.3	629.2	640.1	641.2
20°	619.5	624.6	609.9	594.0	587.0	574.2	585.1	597.1	596.3
22.5°	573.1	578.9	559.9	533.6	519.2	514.2	533.6	544.4	544.0
25°	520.0	524.3	502.6	465.8	446.5	445.7	472.4	483.6	484.4
27.5°	460.4	461.9	437.5	389.5	365.5	371.3	405.0	420.5	422.4
30°	400.8	400.0	374.8	315.2	283.4	299.3	344.6	361.7	363.6
32.5°	346.2	343.8	315.2	243.9	206.0	229.6	289.2	307.1	310.2
35°	293.9	290.0	259.0	180.4	138.2	173.5	241.6	257.1	258.3
37.5°	239.3	237.4	213.0	135.1	96.4	131.7	197.1	208.3	207.2
40°	188.6	188.6	168.4	100.3	67.0	98.0	156.0	166.1	162.6
42.5°	147.9	149.9	132.8	74.0	47.6	72.8	123.5	132.8	128.9
45°	119.3	119.3	104.5	55.0	31.0	54.2	97.6	106.1	105.3
47.5°	101.1	99.5	84.8	40.3	17.0	40.7	82.1	92.5	92.2
50°	90.2	87.9	72.8	31.8	12.0	33.7	72.0	81.7	82.1
52.5°	81.7	78.2	65.4	28.3	10.5	29.4	65.4	73.2	73.2
55°	72.4	70.5	58.9	25.2	9.3	26.3	58.9	65.8	65.4
57.5°	61.2	60.8	52.7	22.8	8.5	23.2	52.7	56.9	55.4
60°	50.0	51.5	45.7	20.5	7.7	20.9	44.9	48.4	47.6
62.5°	41.8	43.8	39.9	18.2	6.6	18.6	37.9	41.4	40.7
65°	34.8	36.4	33.3	15.5	5.8	15.5	31.4	34.5	34.5
67.5°	28.7	29.8	27.5	12.8	5.0	12.8	25.6	28.3	28.7
70°	22.8	23.6	21.7	10.1	4.3	10.5	20.1	22.8	22.8
72.5°	17.8	18.2	17.0	8.1	3.9	8.1	15.5	17.8	17.8
75°	12.8	13.6	12.8	6.2	3.5	6.2	12.0	13.2	13.6
77.5°	7.4	9.3	9.3	5.0	2.7	4.6	8.5	8.9	8.9
80°	5.0	5.8	6.6	3.5	1.9	3.5	5.4	5.8	5.4
82.5°	3.5	3.9	3.9	2.3	1.5	2.3	3.5	3.9	3.5
85°	1.9	2.7	2.7	1.9	1.2	1.5	1.9	2.3	1.9
87.5°	1.2	1.5	1.9	1.5	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)