

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: P840288

Luminaire Tested: **LDS4C08D010 EU4089027 4LBPSSQMB**

Issue Date: 8/24/2022

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: P840288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C08D010 EU4089027 4LBPSSQMB  
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBPSSQ TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

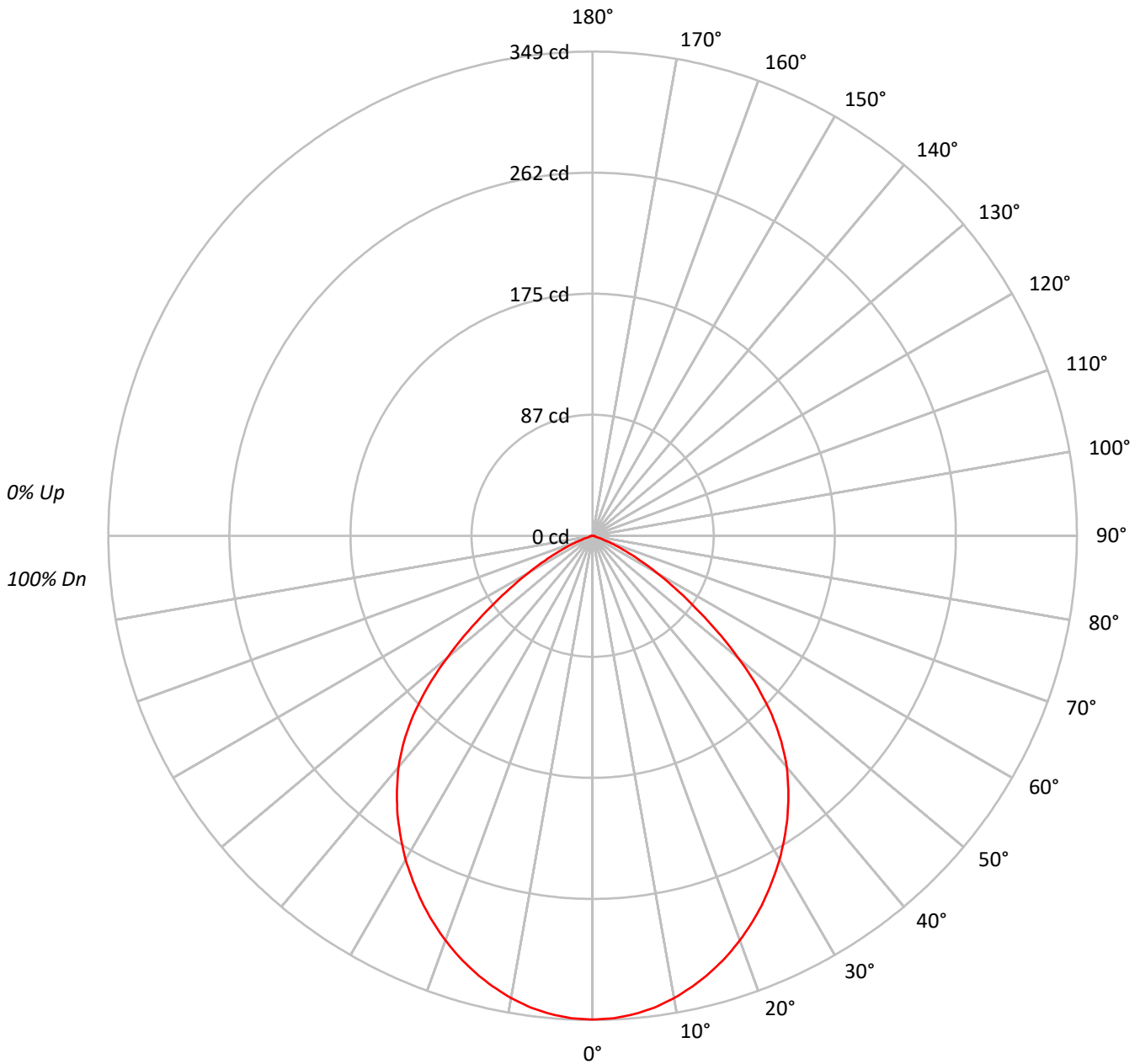
Lumens per Lamp: N/A  
Luminaire Lumens: 664.0 lumens  
Efficiency: N/A  
Efficacy: 67.1 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
Input Voltage (V):  
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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62			
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55			
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33			

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

	0°
0°	33646
5°	33522
10°	33156
15°	32585
20°	31862
25°	31002
30°	30027
35°	28871
40°	27421
45°	24930
50°	20580
55°	15157
60°	10286
65°	6027
70°	2370
75°	522
80°	722
85°	1218



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.8	4.9
10°-20°	91.9	13.8
20°-30°	134.0	20.2
30°-40°	152.9	23.0
40°-50°	139.0	20.9
50°-60°	82.0	12.3
60°-70°	27.5	4.1
70°-80°	2.8	0.4
80°-90°	1.0	0.2
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°	258.6	39.0
0°-40°	411.6	62.0
0°-60°	632.6	95.3
0°-90°	664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	349	
5°	346	33
15°	326	92
25°	291	134
35°	245	153
45°	183	139
55°	90	82
65°	26	27
75°	1	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	348.7
2.5°	348.1
5°	346.1
7.5°	342.9
10°	338.4
12.5°	332.7
15°	326.2
17.5°	318.7
20°	310.3
22.5°	301.1
25°	291.2
27.5°	280.5
30°	269.5
32.5°	257.5
35°	245.1
37.5°	231.7
40°	217.7
42.5°	201.3
45°	182.7
47.5°	161.1
50°	137.1
52.5°	113.0
55°	90.1
57.5°	70.5
60°	53.3
62.5°	38.6
65°	26.4
67.5°	16.1
70°	8.4
72.5°	3.2
75°	1.4
77.5°	1.4
80°	1.3
82.5°	1.1
85°	1.1
87.5°	0.9
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)