

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: P839582

Luminaire Tested: **LDS4C05D010 EU4059040 4LBSH**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/24/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LDS4C05D010 EU4059040 4LBSH  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

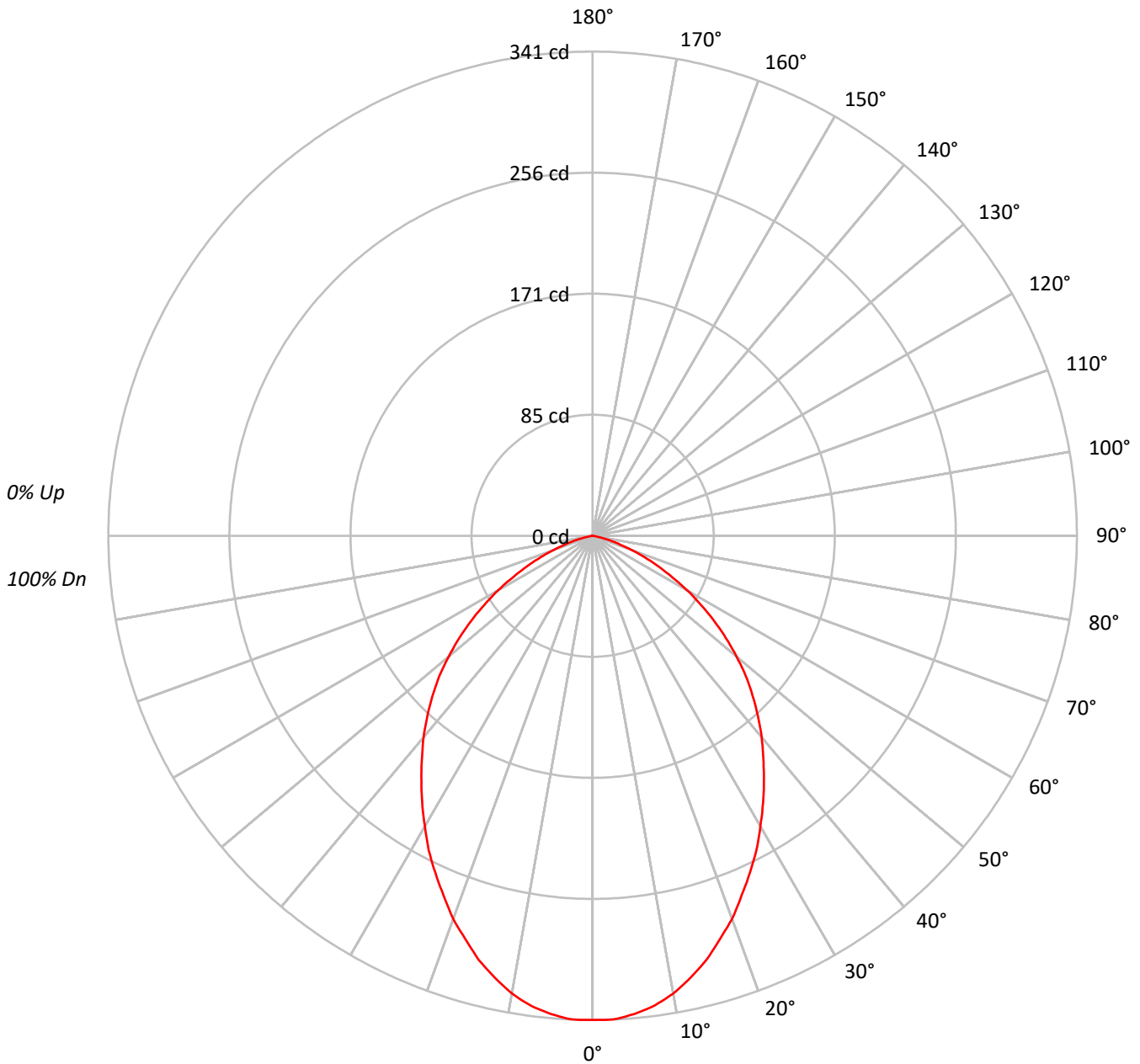
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 651.9 lumens  
Efficiency: N/A  
Efficacy: 90.5 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V):  
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

TEST NUMBER: P839582

CATALOG NUMBER: LDS4C05D010 EU4059040 4LBSH

### Luminous Intensity Polar Plot





TEST NUMBER: P839582

CATALOG NUMBER: LDS4C05D010 EU4059040 4LBSH

**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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

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

	0°
0°	41893
5°	41695
10°	40843
15°	39352
20°	37548
25°	35515
30°	33507
35°	31540
40°	29701
45°	27694
50°	25248
55°	22297
60°	18870
65°	14826
70°	10560
75°	5791
80°	990
85°	0



TEST NUMBER: P839582

CATALOG NUMBER: LDS4C05D010 EU4059040 4LSBH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.9	4.9
10°-20°	86.8	13.3
20°-30°	120.6	18.5
30°-40°	131.6	20.2
40°-50°	122.7	18.8
50°-60°	93.1	14.3
60°-70°	51.0	7.8
70°-80°	14.0	2.1
80°-90°	0.2	0.0
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°	239.3	36.7
0°-40°	370.9	56.9
0°-60°	586.7	90.0
0°-90°	651.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	341	
5°	338	32
15°	309	87
25°	262	121
35°	210	132
45°	159	123
55°	104	93
65°	51	51
75°	12	14
85°	0	0
90°	0	



TEST NUMBER: P839582

CATALOG NUMBER: LDS4C05D010 EU4059040 4LBSH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	341.0
2.5°	341.0
5°	338.1
7.5°	333.8
10°	327.4
12.5°	318.7
15°	309.4
17.5°	297.9
20°	287.2
22.5°	274.2
25°	262.0
27.5°	249.8
30°	236.2
32.5°	223.3
35°	210.3
37.5°	197.4
40°	185.2
42.5°	172.3
45°	159.4
47.5°	146.4
50°	132.1
52.5°	118.4
55°	104.1
57.5°	90.4
60°	76.8
62.5°	63.2
65°	51.0
67.5°	39.5
70°	29.4
72.5°	20.1
75°	12.2
77.5°	5.7
80°	1.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)