

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: P839852

Luminaire Tested: **LDS4C25D010 EU4259027 4LBSH**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839852  
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: LDS4C25D010 EU4259027 4LBSH  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

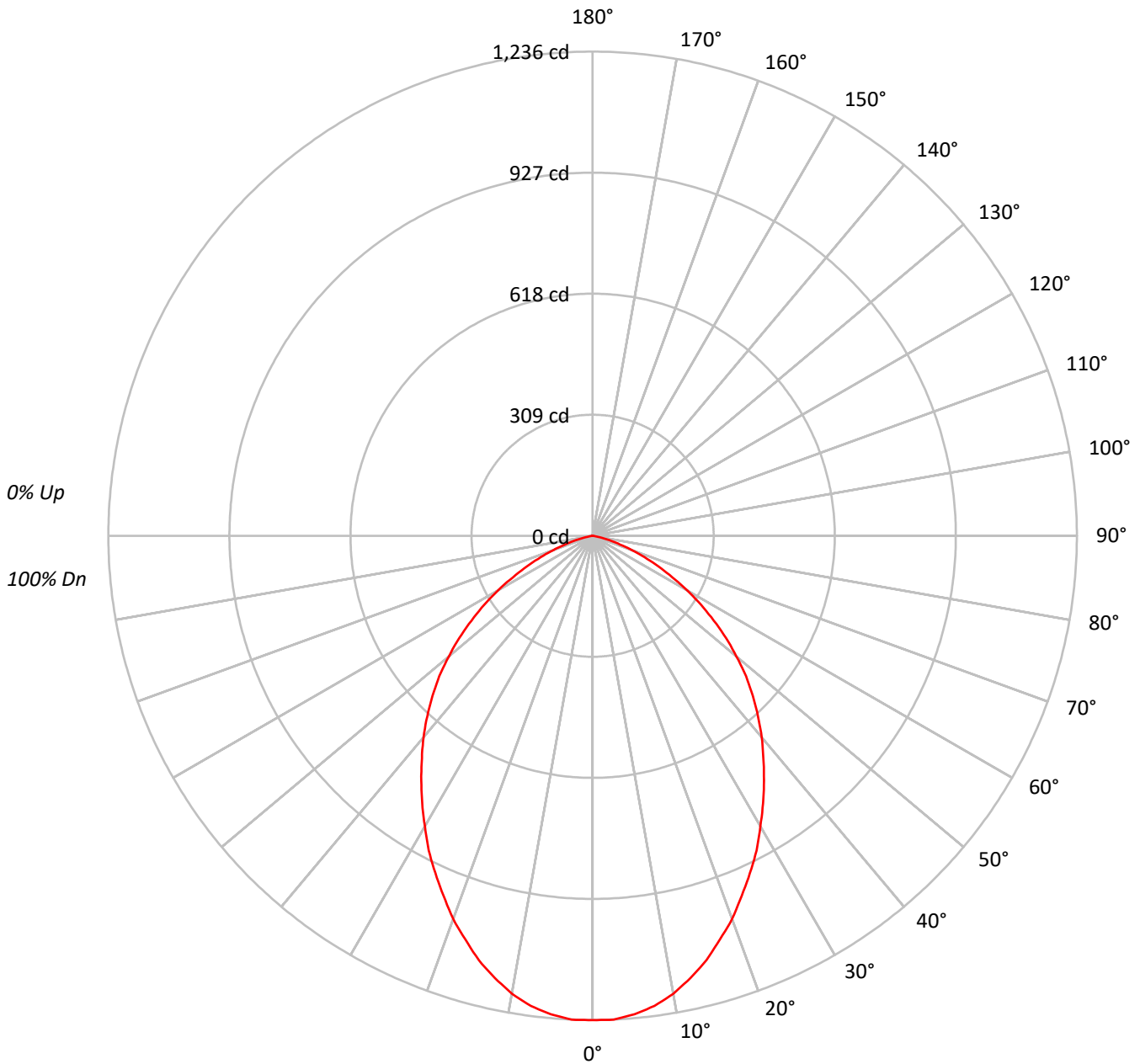
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2364.0 lumens  
Efficiency: N/A  
Efficacy: 75.0 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): 31.5  
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: P839852

CATALOG NUMBER: LDS4C25D010 EU4259027 4LBSH

### Luminous Intensity Polar Plot





TEST NUMBER: P839852

CATALOG NUMBER: LDS4C25D010 EU4259027 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°	151896
5°	151181
10°	148064
15°	142679
20°	136111
25°	128776
30°	121474
35°	114372
40°	107691
45°	100388
50°	91549
55°	80835
60°	68429
65°	53721
70°	38327
75°	21028
80°	3679
85°	0



TEST NUMBER: P839852

CATALOG NUMBER: LDS4C25D010 EU4259027 4LBSH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.8	4.9
10°-20°	314.8	13.3
20°-30°	437.1	18.5
30°-40°	477.0	20.2
40°-50°	445.0	18.8
50°-60°	337.7	14.3
60°-70°	184.9	7.8
70°-80°	50.9	2.2
80°-90°	0.7	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°	867.7	36.7
0°-40°	1344.7	56.9
0°-60°	2127.4	90.0
0°-90°	2364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2364.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1236	
5°	1226	116
15°	1122	315
25°	950	437
35°	763	477
45°	578	445
55°	377	338
65°	185	185
75°	44	51
85°	0	1
90°	0	



TEST NUMBER: P839852

CATALOG NUMBER: LDS4C25D010 EU4259027 4LBSH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1236.4
2.5°	1236.4
5°	1225.9
7.5°	1210.4
10°	1186.9
12.5°	1155.7
15°	1121.8
17.5°	1080.2
20°	1041.1
22.5°	994.3
25°	950.0
27.5°	905.8
30°	856.3
32.5°	809.5
35°	762.6
37.5°	715.8
40°	671.5
42.5°	624.7
45°	577.8
47.5°	531.0
50°	479.0
52.5°	429.5
55°	377.4
57.5°	327.9
60°	278.5
62.5°	229.1
65°	184.8
67.5°	143.1
70°	106.7
72.5°	72.9
75°	44.3
77.5°	20.8
80°	5.2
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)