

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: P839924

Luminaire Tested: **LDS4C30D010 EU4309035 4LBSWH**

Issue Date: 8/24/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P839924  
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: LDS4C30D010 EU4309035 4LBSWH  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBS TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

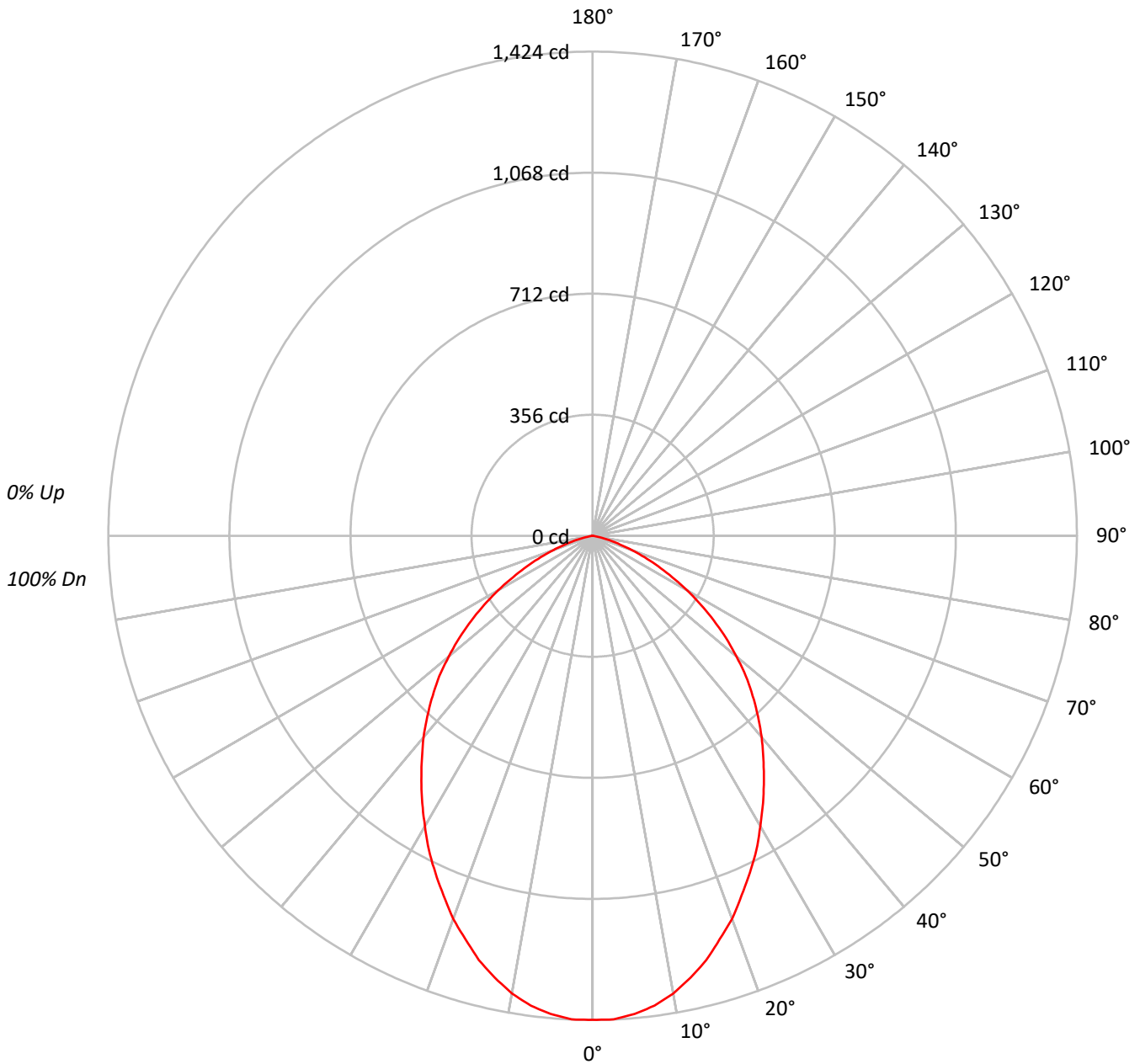
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2722.0 lumens  
Efficiency: N/A  
Efficacy: 86.1 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): 31.6  
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: P839924

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSWH

### Luminous Intensity Polar Plot





TEST NUMBER: P839924

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSWH

**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°	174894
5°	174082
10°	170494
15°	164288
20°	156729
25°	148282
30°	139873
35°	131694
40°	124001
45°	115590
50°	105406
55°	93086
60°	78798
65°	61860
70°	44146
75°	24208
80°	4245
85°	0



TEST NUMBER: P839924

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.3	4.9
10°-20°	362.4	13.3
20°-30°	503.3	18.5
30°-40°	549.3	20.2
40°-50°	512.4	18.8
50°-60°	388.9	14.3
60°-70°	213.0	7.8
70°-80°	58.6	2.2
80°-90°	0.8	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°	999.1	36.7
0°-40°	1548.4	56.9
0°-60°	2449.6	90.0
0°-90°	2722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2722.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1424	
5°	1412	133
15°	1292	362
25°	1094	503
35°	878	549
45°	665	512
55°	435	389
65°	213	213
75°	51	59
85°	0	1
90°	0	



TEST NUMBER: P839924

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSWH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1423.6
2.5°	1423.6
5°	1411.6
7.5°	1393.7
10°	1366.7
12.5°	1330.7
15°	1291.7
17.5°	1243.8
20°	1198.8
22.5°	1144.9
25°	1093.9
27.5°	1043.0
30°	986.0
32.5°	932.1
35°	878.1
37.5°	824.2
40°	773.2
42.5°	719.3
45°	665.3
47.5°	611.4
50°	551.5
52.5°	494.5
55°	434.6
57.5°	377.6
60°	320.7
62.5°	263.8
65°	212.8
67.5°	164.8
70°	122.9
72.5°	83.9
75°	51.0
77.5°	24.0
80°	6.0
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)