

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: P839922

Luminaire Tested: **LDS4C30D010 EU4309035 4LBSH**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839922  
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 4LBSH  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBS TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

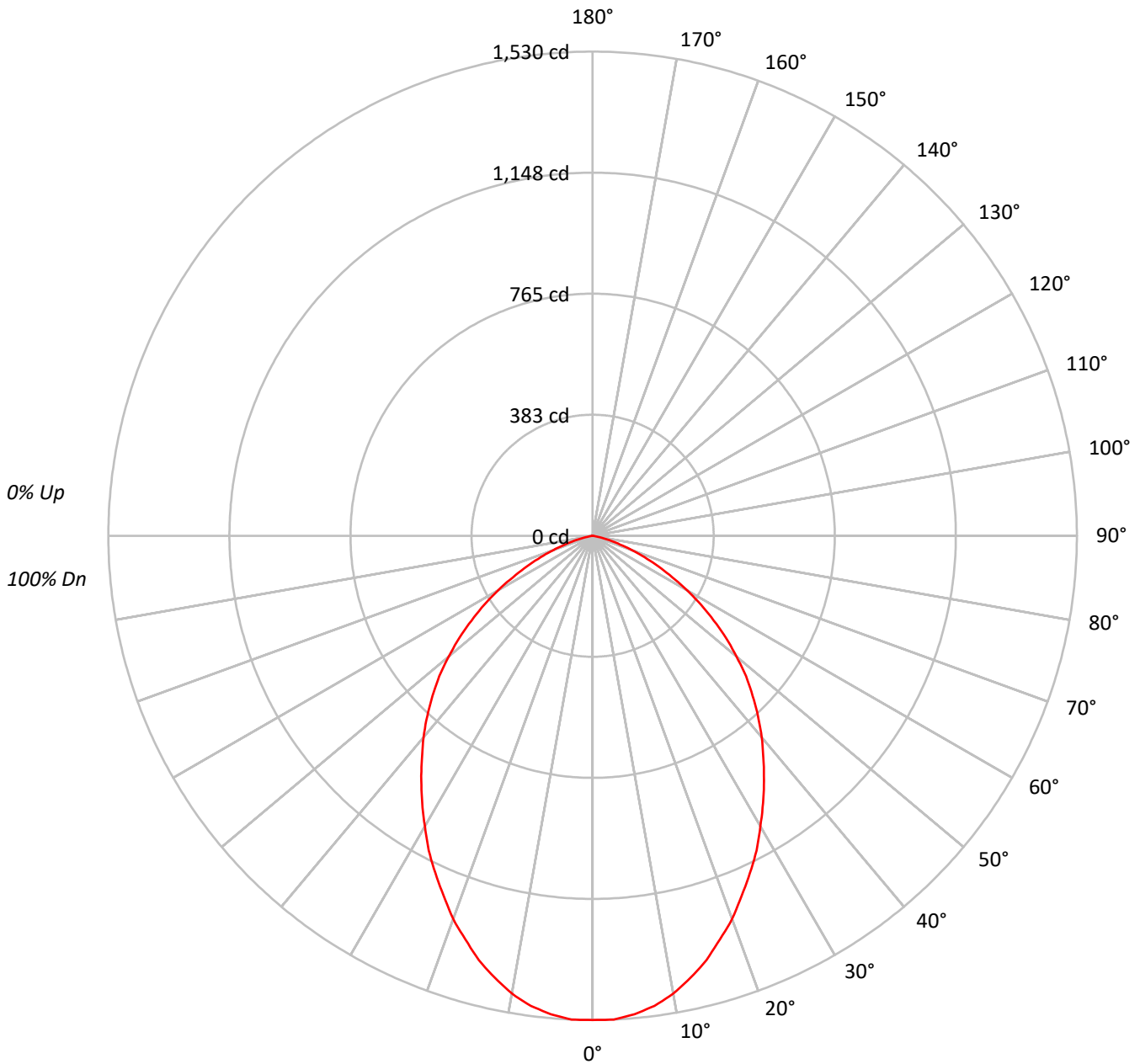
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2926.0 lumens  
Efficiency: N/A  
Efficacy: 92.6 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: P839922

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSH

### Luminous Intensity Polar Plot





TEST NUMBER: P839922

CATALOG NUMBER: LDS4C30D010 EU4309035 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°	188003
5°	187130
10°	183268
15°	176600
20°	168482
25°	159398
30°	150356
35°	141563
40°	133303
45°	124260
50°	113300
55°	100069
60°	84695
65°	66482
70°	47450
75°	26012
80°	4599
85°	0



TEST NUMBER: P839922

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.3	4.9
10°-20°	389.6	13.3
20°-30°	541.1	18.5
30°-40°	590.4	20.2
40°-50°	550.8	18.8
50°-60°	418.1	14.3
60°-70°	228.9	7.8
70°-80°	63.0	2.2
80°-90°	0.9	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°	1074.0	36.7
0°-40°	1664.4	56.9
0°-60°	2633.2	90.0
0°-90°	2926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2926.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1530	
5°	1517	143
15°	1388	390
25°	1176	541
35°	944	590
45°	715	551
55°	467	418
65°	229	229
75°	55	63
85°	0	1
90°	0	



TEST NUMBER: P839922

CATALOG NUMBER: LDS4C30D010 EU4309035 4LBSH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1530.3
2.5°	1530.3
5°	1517.4
7.5°	1498.1
10°	1469.1
12.5°	1430.5
15°	1388.5
17.5°	1337.0
20°	1288.7
22.5°	1230.7
25°	1175.9
27.5°	1121.2
30°	1059.9
32.5°	1001.9
35°	943.9
37.5°	885.9
40°	831.2
42.5°	773.2
45°	715.2
47.5°	657.2
50°	592.8
52.5°	531.6
55°	467.2
57.5°	405.9
60°	344.7
62.5°	283.5
65°	228.7
67.5°	177.2
70°	132.1
72.5°	90.2
75°	54.8
77.5°	25.8
80°	6.5
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)