

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: P839900

Luminaire Tested: **LDS4C30D010 EU4309027 4LBSB**

Issue Date: 8/24/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P839900  
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: LDS4C30D010 EU4309027 4LBSB  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 4LBS TRIM WITH B FINISH  
Light Source: -  
Ballast/Driver: -

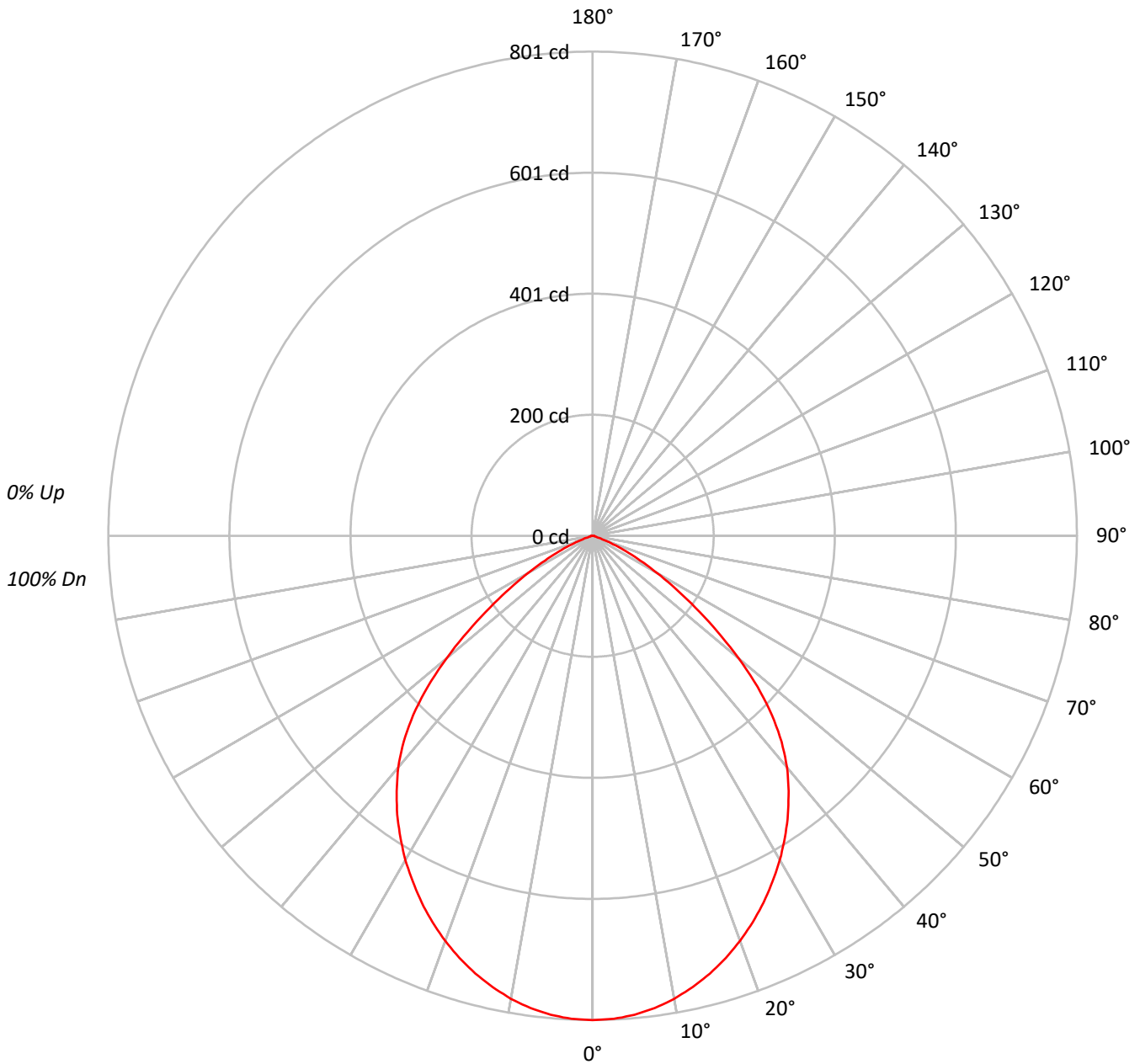
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1526.0 lumens  
Efficiency: N/A  
Efficacy: 48.3 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
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

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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									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	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	65	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°	98442
5°	98103
10°	97030
15°	95352
20°	93216
25°	90726
30°	87867
35°	84482
40°	80219
45°	72936
50°	60224
55°	44337
60°	30099
65°	17616
70°	6968
75°	1566
80°	2052
85°	3524



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.4	4.9
10°-20°	211.1	13.8
20°-30°	307.9	20.2
30°-40°	351.5	23.0
40°-50°	319.5	20.9
50°-60°	188.5	12.4
60°-70°	63.2	4.1
70°-80°	6.6	0.4
80°-90°	2.3	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°	594.4	39.0
0°-40°	945.9	62.0
0°-60°	1453.9	95.3
0°-90°	1526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1526.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	801	
5°	796	75
15°	750	211
25°	669	308
35°	563	351
45°	420	320
55°	207	188
65°	61	63
75°	3	7
85°	2	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	801.3
2.5°	800.0
5°	795.5
7.5°	788.1
10°	777.8
12.5°	764.6
15°	749.7
17.5°	732.4
20°	713.0
22.5°	692.0
25°	669.3
27.5°	644.6
30°	619.4
32.5°	591.8
35°	563.3
37.5°	532.4
40°	500.2
42.5°	462.7
45°	419.8
47.5°	370.3
50°	315.1
52.5°	259.8
55°	207.0
57.5°	162.1
60°	122.5
62.5°	88.7
65°	60.6
67.5°	37.1
70°	19.4
72.5°	7.4
75°	3.3
77.5°	3.3
80°	2.9
82.5°	2.5
85°	2.5
87.5°	2.1
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)