

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: P839931

Luminaire Tested: **LDS4C30D010 EU4309040 4LBSGPH**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839931  
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 EU4309040 4LBSGPH  
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBS TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

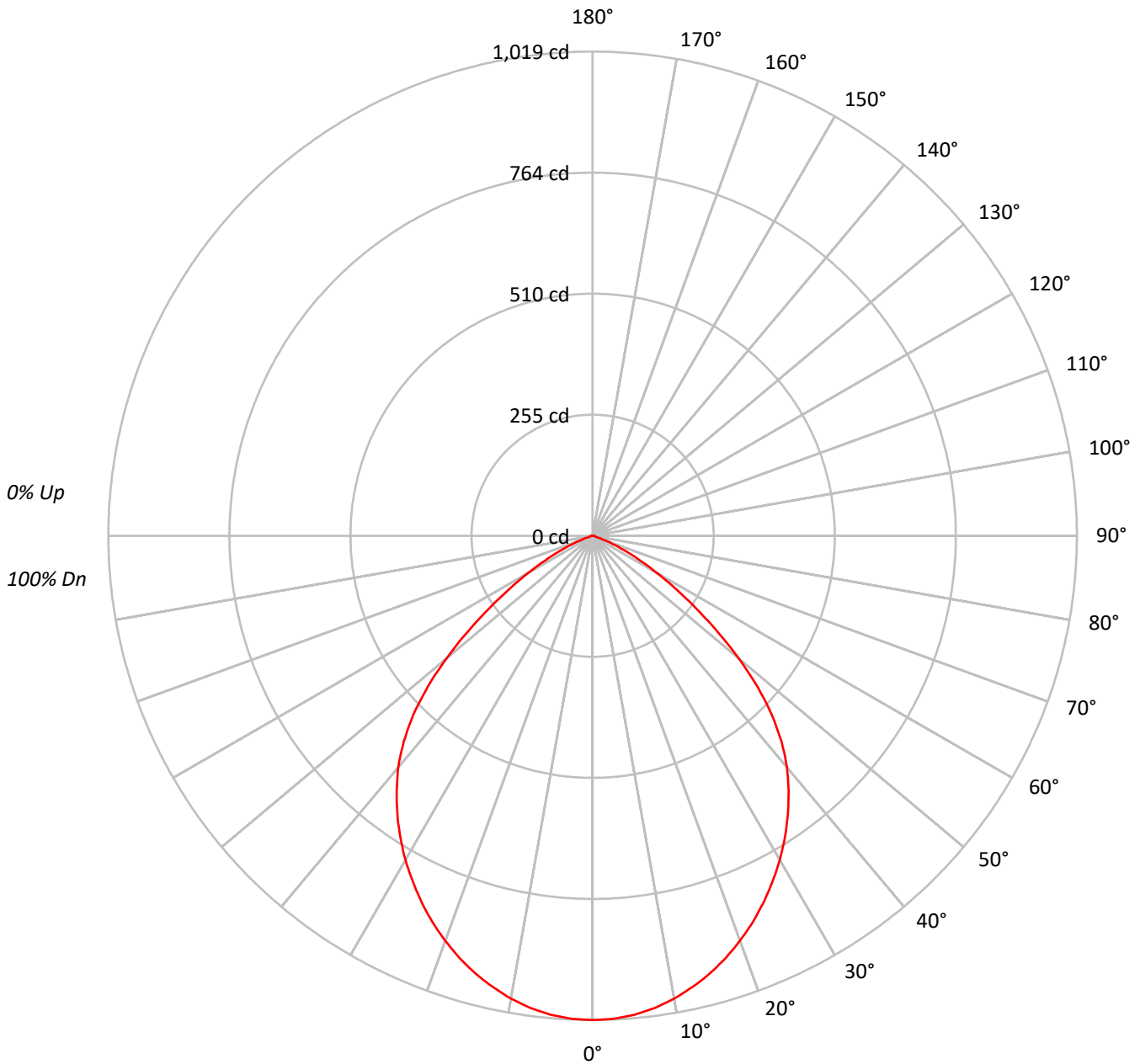
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1941.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 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																	
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	66	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°	125212
5°	124778
10°	123414
15°	121286
20°	118566
25°	115397
30°	111771
35°	107458
40°	102046
45°	92778
50°	76584
55°	56396
60°	38281
65°	22413
70°	8872
75°	1994
80°	2618
85°	4370



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.9	4.9
10°-20°	268.5	13.8
20°-30°	391.7	20.2
30°-40°	447.1	23.0
40°-50°	406.4	20.9
50°-60°	239.7	12.3
60°-70°	80.4	4.1
70°-80°	8.4	0.4
80°-90°	2.9	0.1
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°	756.1	39.0
0°-40°	1203.1	62.0
0°-60°	1849.3	95.3
0°-90°	1941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1941.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1019	
5°	1012	96
15°	954	269
25°	851	392
35°	716	447
45°	534	406
55°	263	240
65°	77	80
75°	4	8
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1019.2
2.5°	1017.6
5°	1011.8
7.5°	1002.4
10°	989.3
12.5°	972.5
15°	953.6
17.5°	931.6
20°	906.9
22.5°	880.2
25°	851.3
27.5°	819.9
30°	787.9
32.5°	752.7
35°	716.5
37.5°	677.2
40°	636.3
42.5°	588.5
45°	534.0
47.5°	471.0
50°	400.7
52.5°	330.5
55°	263.3
57.5°	206.1
60°	155.8
62.5°	112.8
65°	77.1
67.5°	47.2
70°	24.7
72.5°	9.4
75°	4.2
77.5°	4.2
80°	3.7
82.5°	3.1
85°	3.1
87.5°	2.6
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)