

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: P839661

Luminaire Tested: **LDS4C100D010 EU41009030 4LBSGPH**

Issue Date: 8/24/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P839661  
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: LDS4C100D010 EU41009030 4LBSGPH  
Description: 4 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBS TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

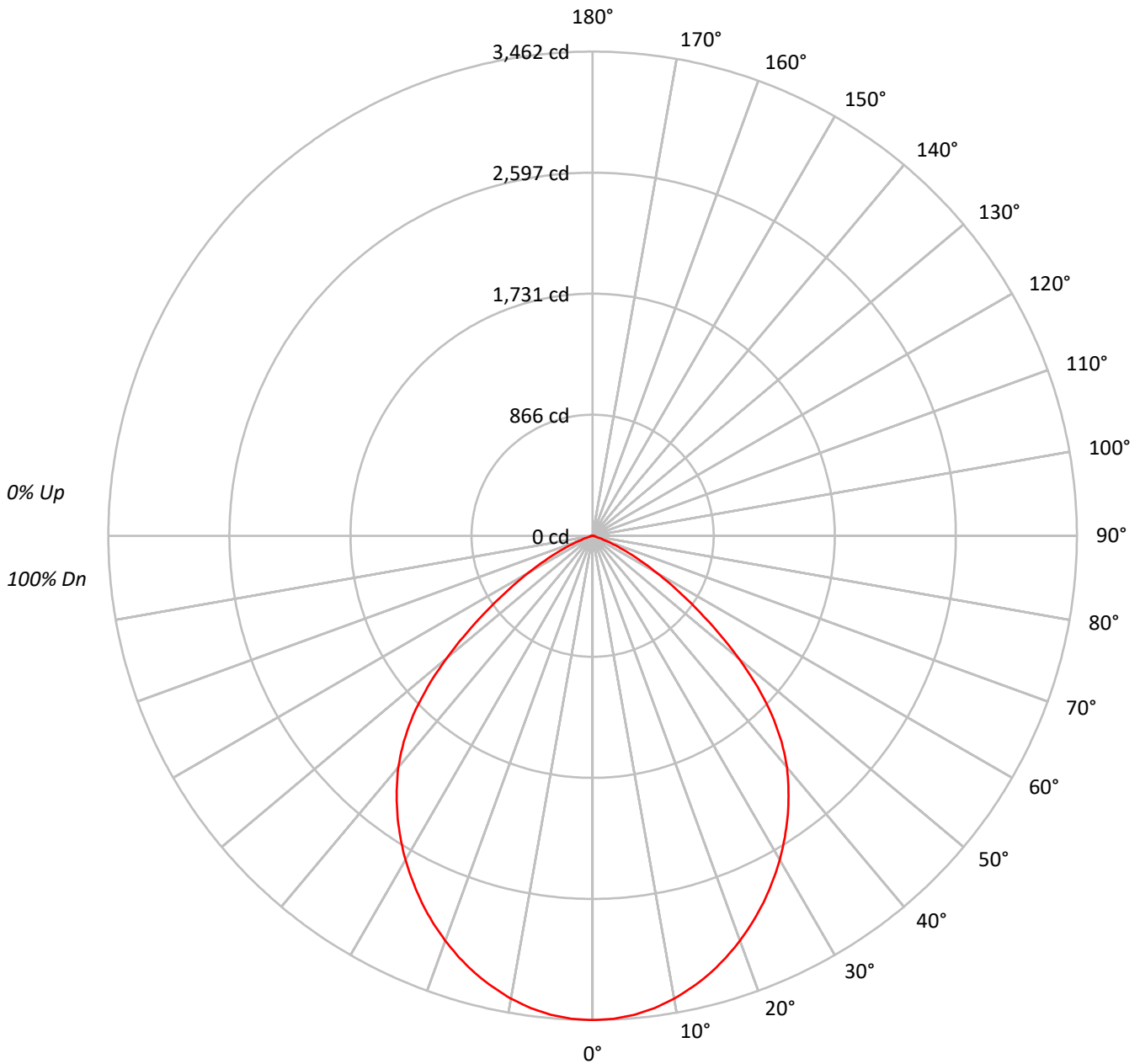
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6594.0 lumens  
Efficiency: N/A  
Efficacy: 57.6 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): 114.4  
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	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°	425368
5°	423910
10°	419255
15°	412036
20°	402804
25°	392049
30°	379686
35°	365073
40°	346648
45°	315184
50°	260199
55°	191613
60°	130028
65°	76162
70°	30101
75°	6788
80°	8844
85°	15083



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	325.7	4.9
10°-20°	912.2	13.8
20°-30°	1330.6	20.2
30°-40°	1518.8	23.0
40°-50°	1380.8	20.9
50°-60°	814.3	12.3
60°-70°	273.1	4.1
70°-80°	28.6	0.4
80°-90°	10.0	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°	2568.5	39.0
0°-40°	4087.3	62.0
0°-60°	6282.4	95.3
0°-90°	6594.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6594.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3462	
5°	3437	326
15°	3240	912
25°	2892	1331
35°	2434	1519
45°	1814	1381
55°	895	814
65°	262	273
75°	14	29
85°	11	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3462.4
2.5°	3457.0
5°	3437.4
7.5°	3405.4
10°	3360.8
12.5°	3303.8
15°	3239.6
17.5°	3164.8
20°	3081.0
22.5°	2990.2
25°	2892.2
27.5°	2785.2
30°	2676.5
32.5°	2557.1
35°	2434.2
37.5°	2300.5
40°	2161.5
42.5°	1999.4
45°	1814.1
47.5°	1600.2
50°	1361.4
52.5°	1122.6
55°	894.6
57.5°	700.3
60°	529.2
62.5°	383.1
65°	262.0
67.5°	160.4
70°	83.8
72.5°	32.1
75°	14.3
77.5°	14.3
80°	12.5
82.5°	10.7
85°	10.7
87.5°	8.9
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)