

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: P840021

Luminaire Tested: **LDS4C40D010 EU4409035 4LBSGPH**

Issue Date: 8/24/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P840021  
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: LDS4C40D010 EU4409035 4LBSGPH  
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBS TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

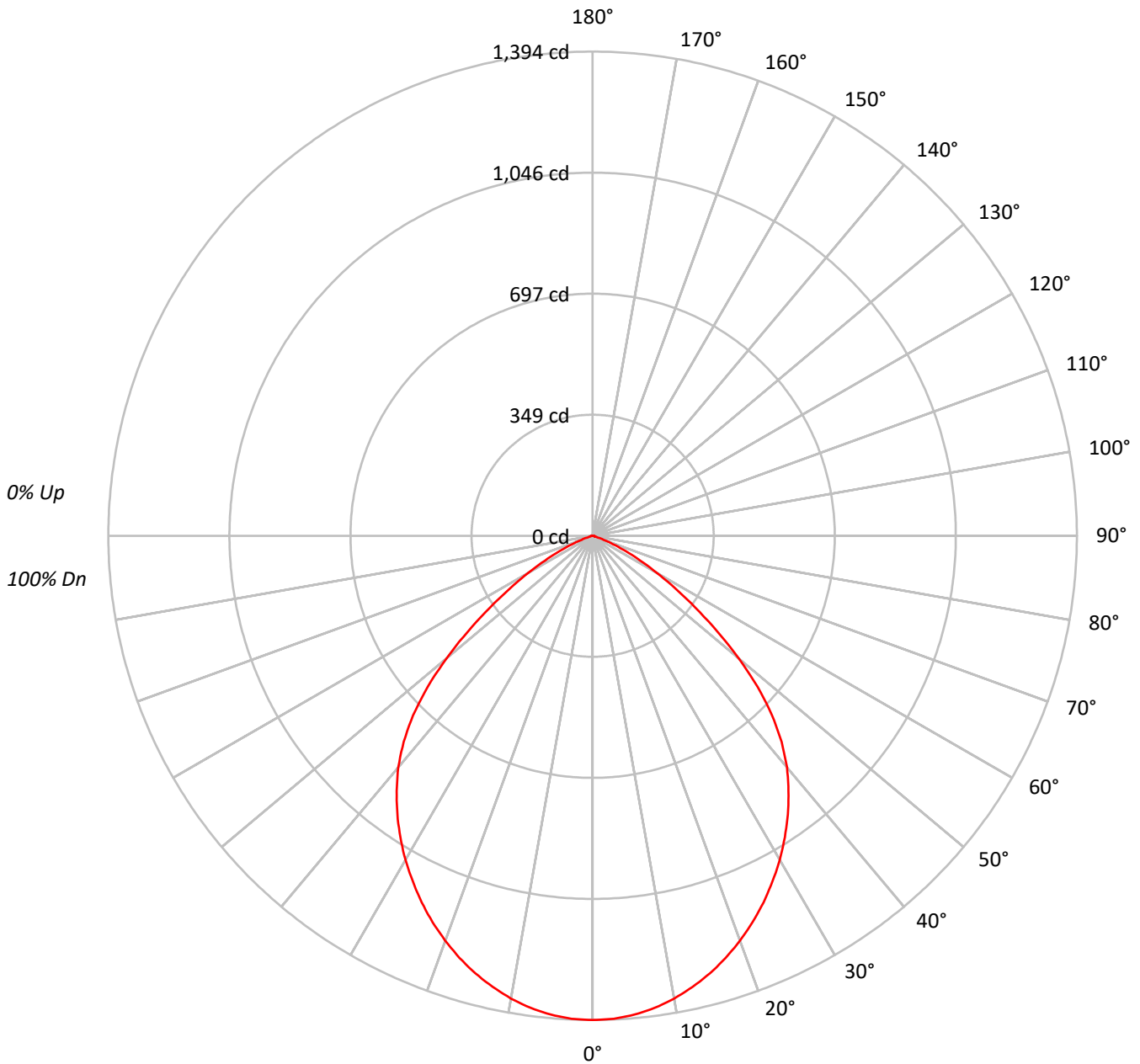
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2655.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 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): 47  
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°	171270
5°	170679
10°	168810
15°	165903
20°	162180
25°	157852
30°	152881
35°	146992
40°	139573
45°	126900
50°	104775
55°	77151
60°	52360
65°	30668
70°	12105
75°	2706
80°	3537
85°	6061



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.1	4.9
10°-20°	367.3	13.8
20°-30°	535.7	20.2
30°-40°	611.5	23.0
40°-50°	555.9	20.9
50°-60°	327.9	12.4
60°-70°	110.0	4.1
70°-80°	11.5	0.4
80°-90°	4.0	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°	1034.2	39.0
0°-40°	1645.7	62.0
0°-60°	2529.5	95.3
0°-90°	2655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2655.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1394	
5°	1384	131
15°	1304	367
25°	1164	536
35°	980	612
45°	730	556
55°	360	328
65°	106	110
75°	6	11
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1394.1
2.5°	1391.9
5°	1384.0
7.5°	1371.1
10°	1353.2
12.5°	1330.2
15°	1304.4
17.5°	1274.3
20°	1240.5
22.5°	1204.0
25°	1164.5
27.5°	1121.4
30°	1077.7
32.5°	1029.6
35°	980.1
37.5°	926.3
40°	870.3
42.5°	805.0
45°	730.4
47.5°	644.3
50°	548.2
52.5°	452.0
55°	360.2
57.5°	282.0
60°	213.1
62.5°	154.3
65°	105.5
67.5°	64.6
70°	33.7
72.5°	12.9
75°	5.7
77.5°	5.7
80°	5.0
82.5°	4.3
85°	4.3
87.5°	3.6
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)