

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: P839968

Luminaire Tested: **LDS4C35D010 EU4359035 4LBPSMB**

Issue Date: 8/24/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P839968  
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: LDS4C35D010 EU4359035 4LBPSMB  
Description: 4 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBPS TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

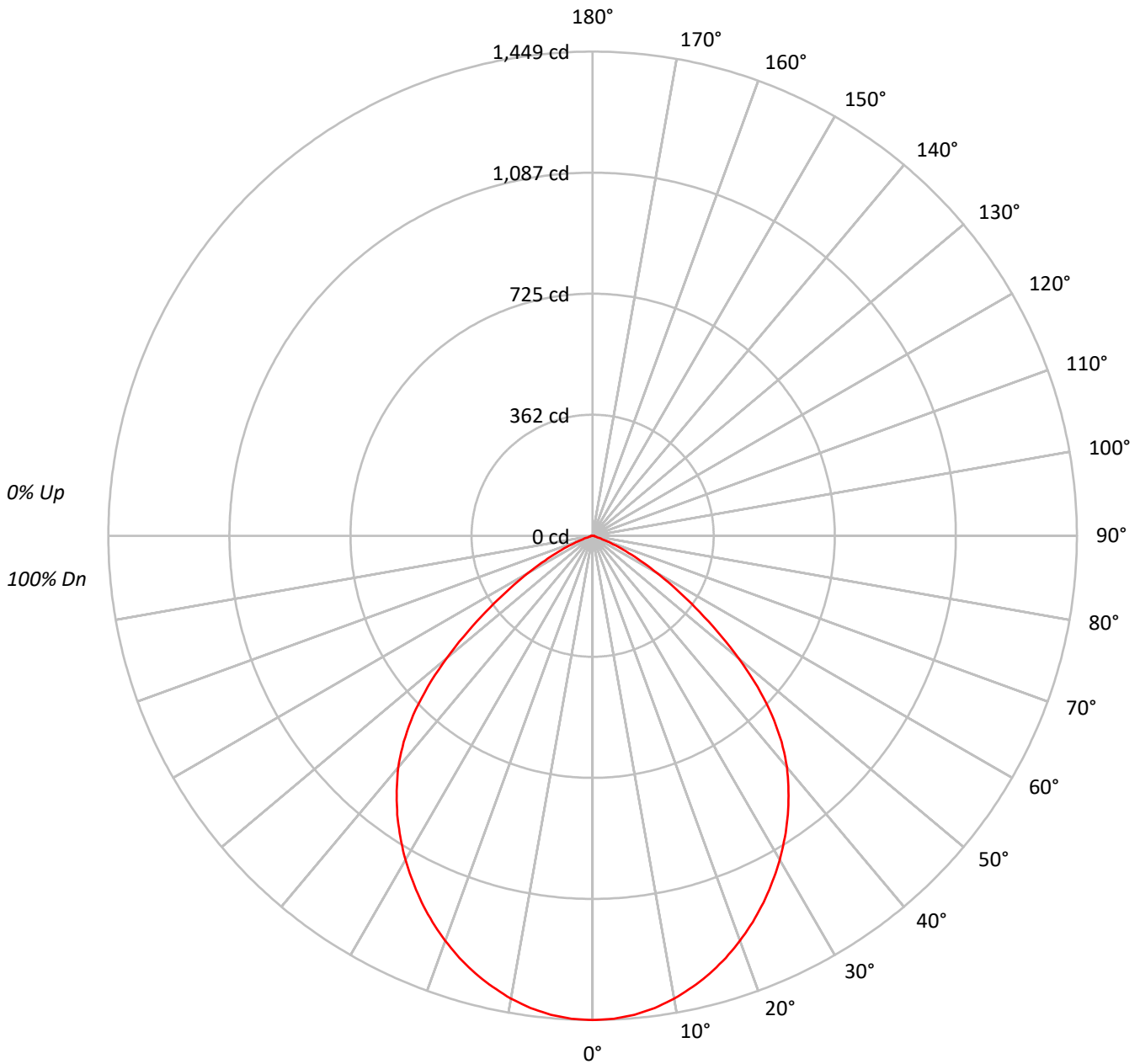
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2760.0 lumens  
Efficiency: N/A  
Efficacy: 68.3 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): 40.4  
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

TEST NUMBER: P839968

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBPSMB

### Luminous Intensity Polar Plot





TEST NUMBER: P839968

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBPSMB

**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°	178039
5°	177437
10°	175484
15°	172466
20°	168600
25°	164088
30°	158925
35°	152811
40°	145090
45°	131922
50°	108904
55°	80192
60°	54424
65°	31860
70°	12608
75°	2848
80°	3679
85°	6343



TEST NUMBER: P839968

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBPSMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.3	4.9
10°-20°	381.8	13.8
20°-30°	556.9	20.2
30°-40°	635.7	23.0
40°-50°	577.9	20.9
50°-60°	340.8	12.3
60°-70°	114.3	4.1
70°-80°	12.0	0.4
80°-90°	4.2	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°	1075.1	39.0
0°-40°	1710.8	62.0
0°-60°	2629.6	95.3
0°-90°	2760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2760.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1449	
5°	1439	136
15°	1356	382
25°	1210	557
35°	1019	636
45°	759	578
55°	374	341
65°	110	114
75°	6	12
85°	4	4
90°	0	



TEST NUMBER: P839968

CATALOG NUMBER: LDS4C35D010 EU4359035 4LBPSMB

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1449.2
2.5°	1447.0
5°	1438.8
7.5°	1425.4
10°	1406.7
12.5°	1382.8
15°	1356.0
17.5°	1324.7
20°	1289.6
22.5°	1251.6
25°	1210.5
27.5°	1165.8
30°	1120.3
32.5°	1070.3
35°	1018.9
37.5°	962.9
40°	904.7
42.5°	836.9
45°	759.3
47.5°	669.8
50°	569.8
52.5°	469.9
55°	374.4
57.5°	293.1
60°	221.5
62.5°	160.4
65°	109.6
67.5°	67.1
70°	35.1
72.5°	13.4
75°	6.0
77.5°	6.0
80°	5.2
82.5°	4.5
85°	4.5
87.5°	3.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)