

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: P839878

Luminaire Tested: **LDS4C25D010 EU4259040 4LBPSMB**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839878  
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: LDS4C25D010 EU4259040 4LBPSMB  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

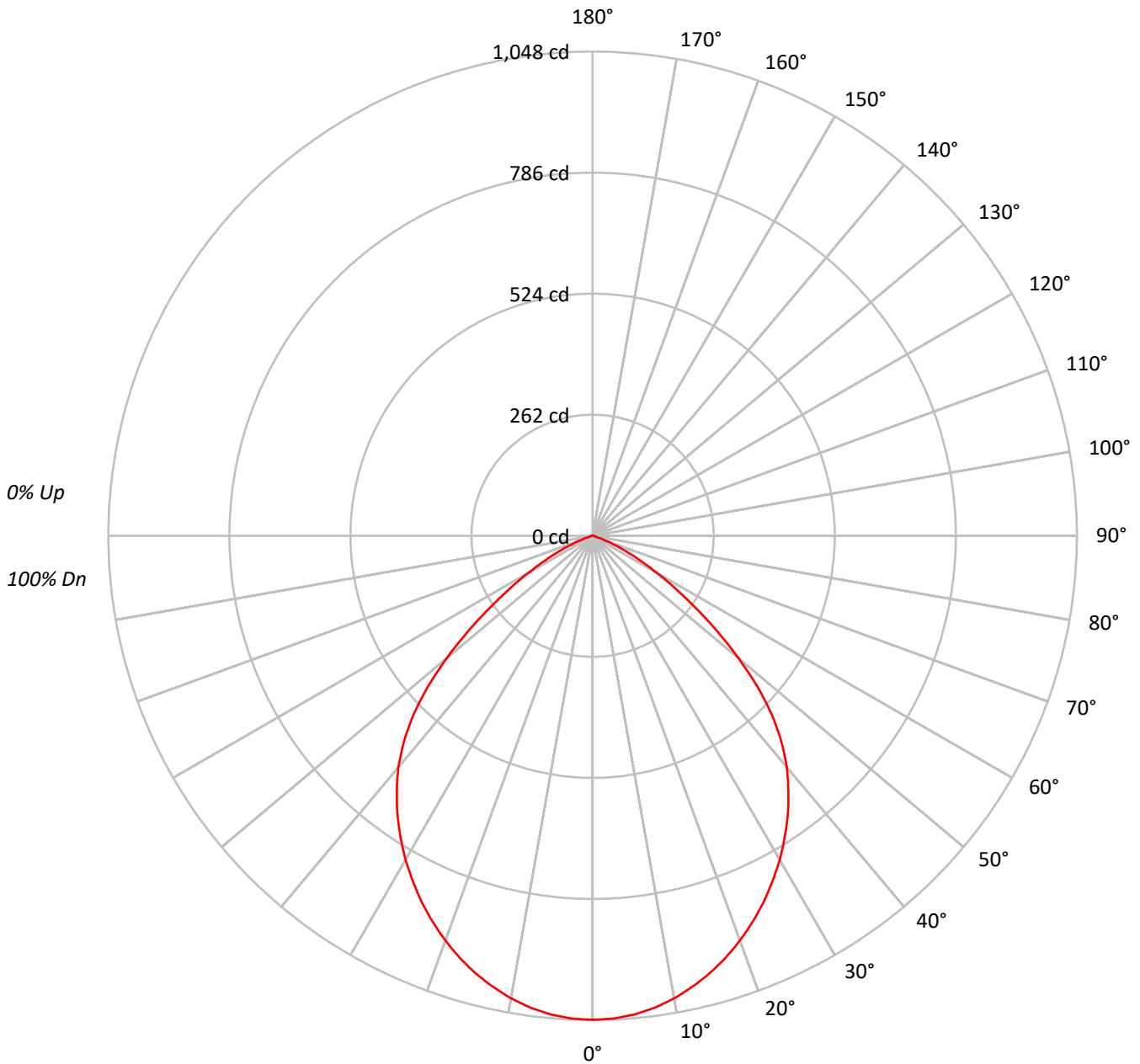
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1995.0 lumens  
Efficiency: N/A  
Efficacy: 63.3 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): 31.5  
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: P839878

CATALOG NUMBER: LDS4C25D010 EU4259040 4LBPSMB

### Luminous Intensity Polar Plot





TEST NUMBER: P839878

CATALOG NUMBER: LDS4C25D010 EU4259040 4LBPSMB

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90	90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	79	79	79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70	70	70	70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62	62	62	62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55	55	55	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40	40	40	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36	36	36	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33	33	33	33

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	128689
5°	128256
10°	126844
15°	124656
20°	121874
25°	118610
30°	114877
35°	110458
40°	104884
45°	95349
50°	78725
55°	57959
60°	39338
65°	23052
70°	9088
75°	2041
80°	2688
85°	4511



TEST NUMBER: P839878

CATALOG NUMBER: LDS4C25D010 EU4259040 4LBPSMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.5	4.9
10°-20°	276.0	13.8
20°-30°	402.6	20.2
30°-40°	459.5	23.0
40°-50°	417.7	20.9
50°-60°	246.4	12.4
60°-70°	82.6	4.1
70°-80°	8.6	0.4
80°-90°	3.0	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°	777.1	39.0
0°-40°	1236.6	62.0
0°-60°	1900.7	95.3
0°-90°	1995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1995.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1048	
5°	1040	99
15°	980	276
25°	875	403
35°	736	460
45°	549	418
55°	271	246
65°	79	83
75°	4	9
85°	3	3
90°	0	



TEST NUMBER: P839878

CATALOG NUMBER: LDS4C25D010 EU4259040 4LBPSMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1047.5
2.5°	1045.9
5°	1040.0
7.5°	1030.3
10°	1016.8
12.5°	999.6
15°	980.1
17.5°	957.5
20°	932.2
22.5°	904.7
25°	875.0
27.5°	842.7
30°	809.8
32.5°	773.7
35°	736.5
37.5°	696.0
40°	654.0
42.5°	604.9
45°	548.8
47.5°	484.1
50°	411.9
52.5°	339.7
55°	270.6
57.5°	211.9
60°	160.1
62.5°	115.9
65°	79.3
67.5°	48.5
70°	25.3
72.5°	9.7
75°	4.3
77.5°	4.3
80°	3.8
82.5°	3.2
85°	3.2
87.5°	2.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)