

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: P839889

Luminaire Tested: **LDS4C25D010 EU4259050 4LBPSMMS**

Issue Date: 8/24/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P839889  
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 EU4259050 4LBPSMMS  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

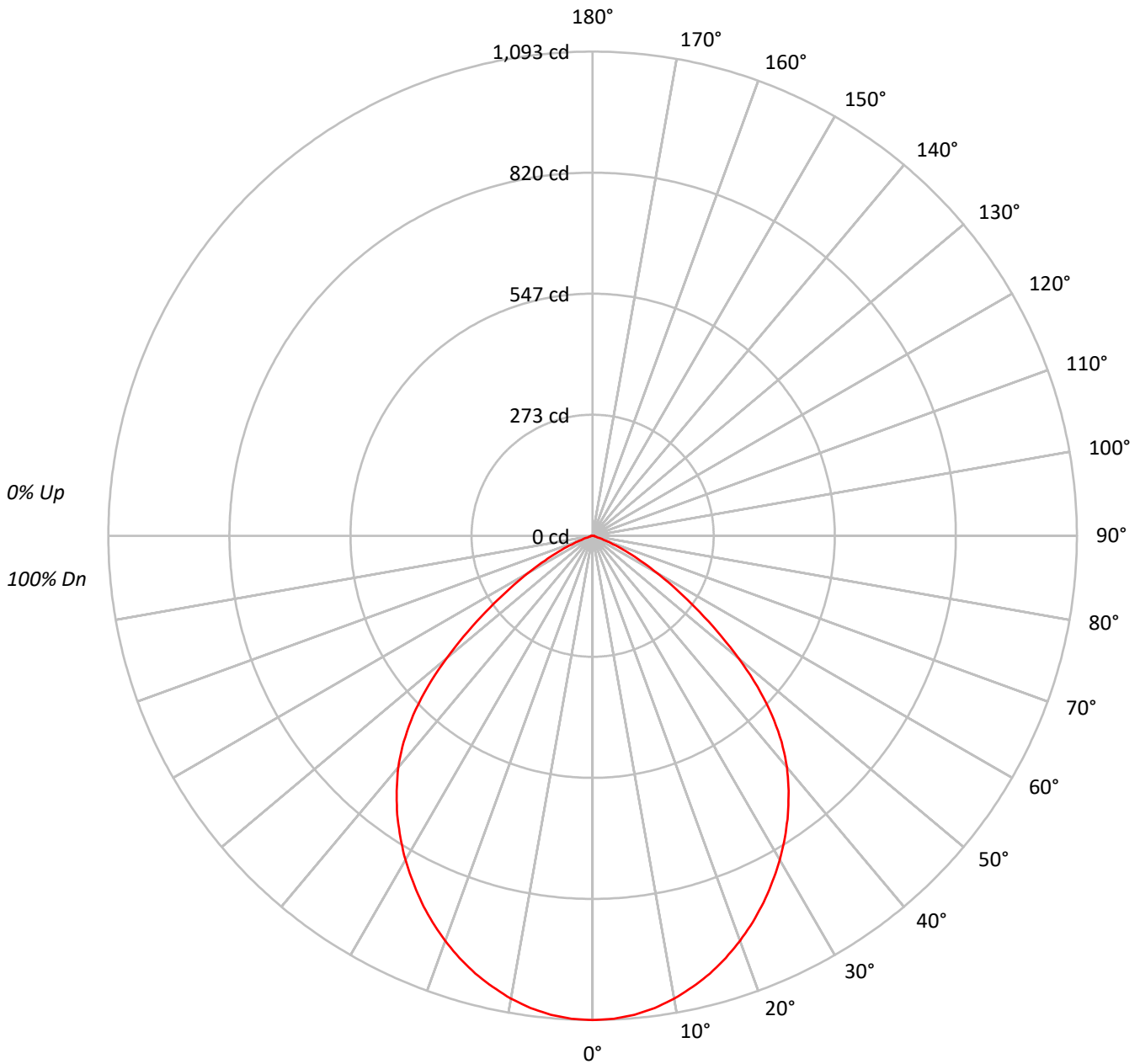
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2082.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 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

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### Luminous Intensity Polar Plot





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**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	65	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°	134303
5°	133842
10°	132371
15°	130100
20°	127182
25°	123788
30°	119885
35°	115272
40°	109455
45°	99519
50°	82165
55°	60487
60°	41058
65°	24041
70°	9483
75°	2136
80°	2759
85°	4793



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.8	4.9
10°-20°	288.0	13.8
20°-30°	420.1	20.2
30°-40°	479.6	23.0
40°-50°	436.0	20.9
50°-60°	257.1	12.3
60°-70°	86.2	4.1
70°-80°	9.0	0.4
80°-90°	3.1	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°	811.0	39.0
0°-40°	1290.5	62.0
0°-60°	1983.6	95.3
0°-90°	2082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2082.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1093	
5°	1085	103
15°	1023	288
25°	913	420
35°	769	480
45°	573	436
55°	282	257
65°	83	86
75°	4	9
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1093.2
2.5°	1091.5
5°	1085.3
7.5°	1075.2
10°	1061.1
12.5°	1043.1
15°	1022.9
17.5°	999.3
20°	972.8
22.5°	944.1
25°	913.2
27.5°	879.4
30°	845.1
32.5°	807.4
35°	768.6
37.5°	726.4
40°	682.5
42.5°	631.3
45°	572.8
47.5°	505.3
50°	429.9
52.5°	354.5
55°	282.4
57.5°	221.1
60°	167.1
62.5°	121.0
65°	82.7
67.5°	50.6
70°	26.4
72.5°	10.1
75°	4.5
77.5°	4.5
80°	3.9
82.5°	3.4
85°	3.4
87.5°	2.8
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)