

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: P839858

Luminaire Tested: **LDS4C25D010 EU4259030 4LBPSMB**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839858  
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 EU4259030 4LBPSMB  
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MB FINISH  
Light Source: -  
Ballast/Driver: -

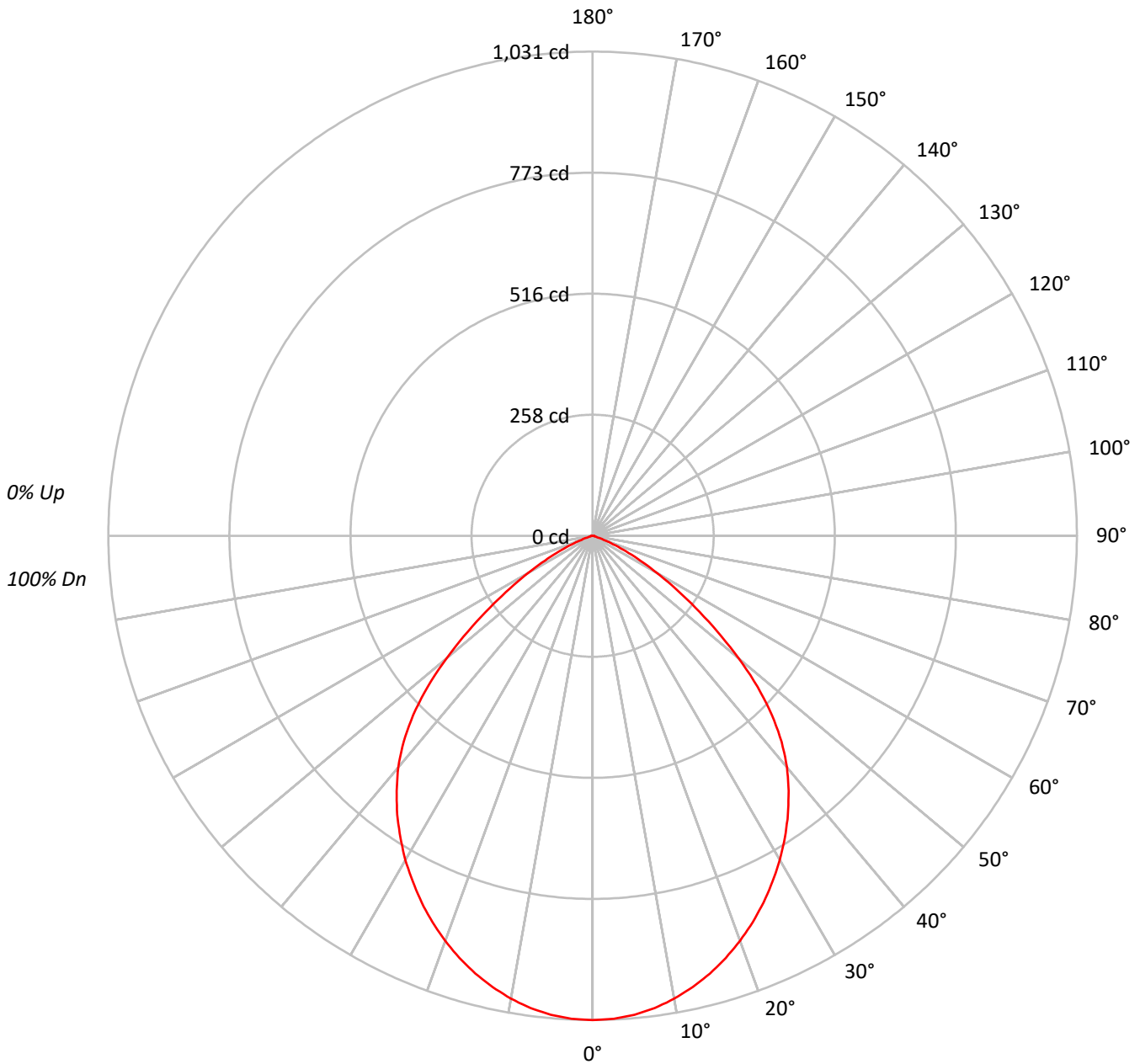
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1964.0 lumens  
Efficiency: N/A  
Efficacy: 62.3 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

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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°	126699
5°	126258
10°	124873
15°	122723
20°	119978
25°	116766
30°	113090
35°	108733
40°	103249
45°	93872
50°	77502
55°	57060
60°	38723
65°	22674
70°	8944
75°	1994
80°	2618
85°	4511



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.0	4.9
10°-20°	271.7	13.8
20°-30°	396.3	20.2
30°-40°	452.4	23.0
40°-50°	411.2	20.9
50°-60°	242.5	12.3
60°-70°	81.3	4.1
70°-80°	8.5	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°	765.0	39.0
0°-40°	1217.4	62.0
0°-60°	1871.2	95.3
0°-90°	1964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1964.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1031	
5°	1024	97
15°	965	272
25°	861	396
35°	725	452
45°	540	411
55°	266	243
65°	78	81
75°	4	8
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1031.3
2.5°	1029.7
5°	1023.8
7.5°	1014.3
10°	1001.0
12.5°	984.0
15°	964.9
17.5°	942.6
20°	917.7
22.5°	890.6
25°	861.4
27.5°	829.6
30°	797.2
32.5°	761.6
35°	725.0
37.5°	685.2
40°	643.8
42.5°	595.5
45°	540.3
47.5°	476.6
50°	405.5
52.5°	334.4
55°	266.4
57.5°	208.6
60°	157.6
62.5°	114.1
65°	78.0
67.5°	47.8
70°	24.9
72.5°	9.6
75°	4.2
77.5°	4.2
80°	3.7
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)