

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: P839559

Luminaire Tested: **LDS4C05D010 EU4059030 4LBPSMMS**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839559  
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: LDS4C05D010 EU4059030 4LBPSMMS  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBPS TRIM WITH MMS FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

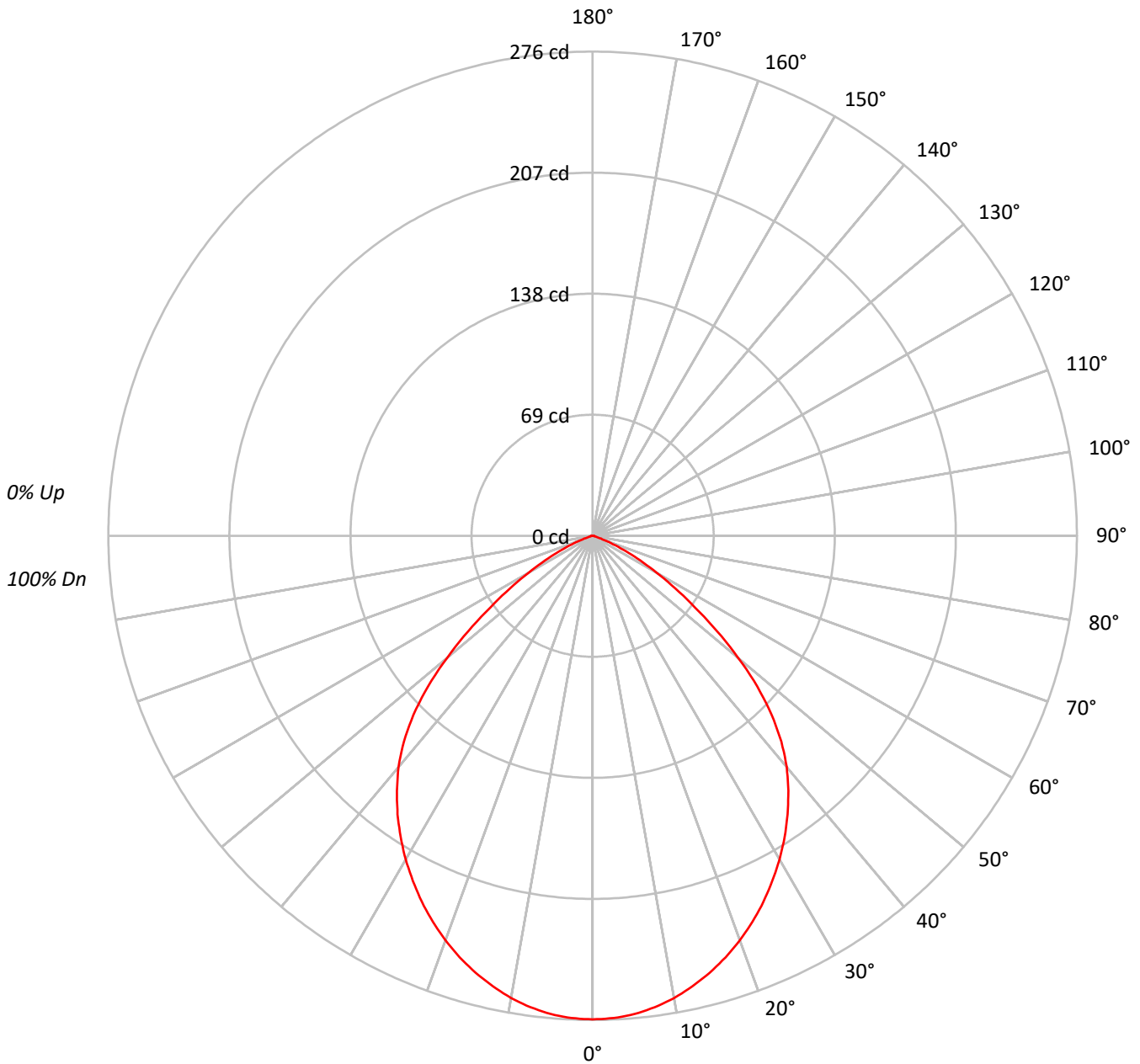
Lumens per Lamp: N/A  
Luminaire Lumens: 525.1 lumens  
Efficiency: N/A  
Efficacy: 72.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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			
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°	33871
5°	33753
10°	33383
15°	32802
20°	32070
25°	31218
30°	30230
35°	29065
40°	27600
45°	25088
50°	20718
55°	15250
60°	10344
65°	6076
70°	2407
75°	522
80°	707
85°	1269



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.9	4.9
10°-20°	72.6	13.8
20°-30°	106.0	20.2
30°-40°	120.9	23.0
40°-50°	109.9	20.9
50°-60°	64.8	12.3
60°-70°	21.8	4.1
70°-80°	2.3	0.4
80°-90°	0.8	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°	204.5	38.9
0°-40°	325.4	62.0
0°-60°	500.2	95.3
0°-90°	525.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	525.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	276	
5°	274	26
15°	258	73
25°	230	106
35°	194	121
45°	144	110
55°	71	65
65°	21	22
75°	1	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	275.7
2.5°	275.2
5°	273.7
7.5°	271.1
10°	267.6
12.5°	263.0
15°	257.9
17.5°	252.0
20°	245.3
22.5°	238.1
25°	230.3
27.5°	221.8
30°	213.1
32.5°	203.6
35°	193.8
37.5°	183.2
40°	172.1
42.5°	159.2
45°	144.4
47.5°	127.4
50°	108.4
52.5°	89.4
55°	71.2
57.5°	55.8
60°	42.1
62.5°	30.5
65°	20.9
67.5°	12.8
70°	6.7
72.5°	2.6
75°	1.1
77.5°	1.1
80°	1.0
82.5°	0.9
85°	0.9
87.5°	0.7
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)