

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: P839580

Luminaire Tested: **LDS4C05D010 EU4059040 4LBSB**

Issue Date: 8/24/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P839580  
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 EU4059040 4LBSB  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 4LBS TRIM WITH B FINISH  
Light Source: -  
Ballast/Driver: -

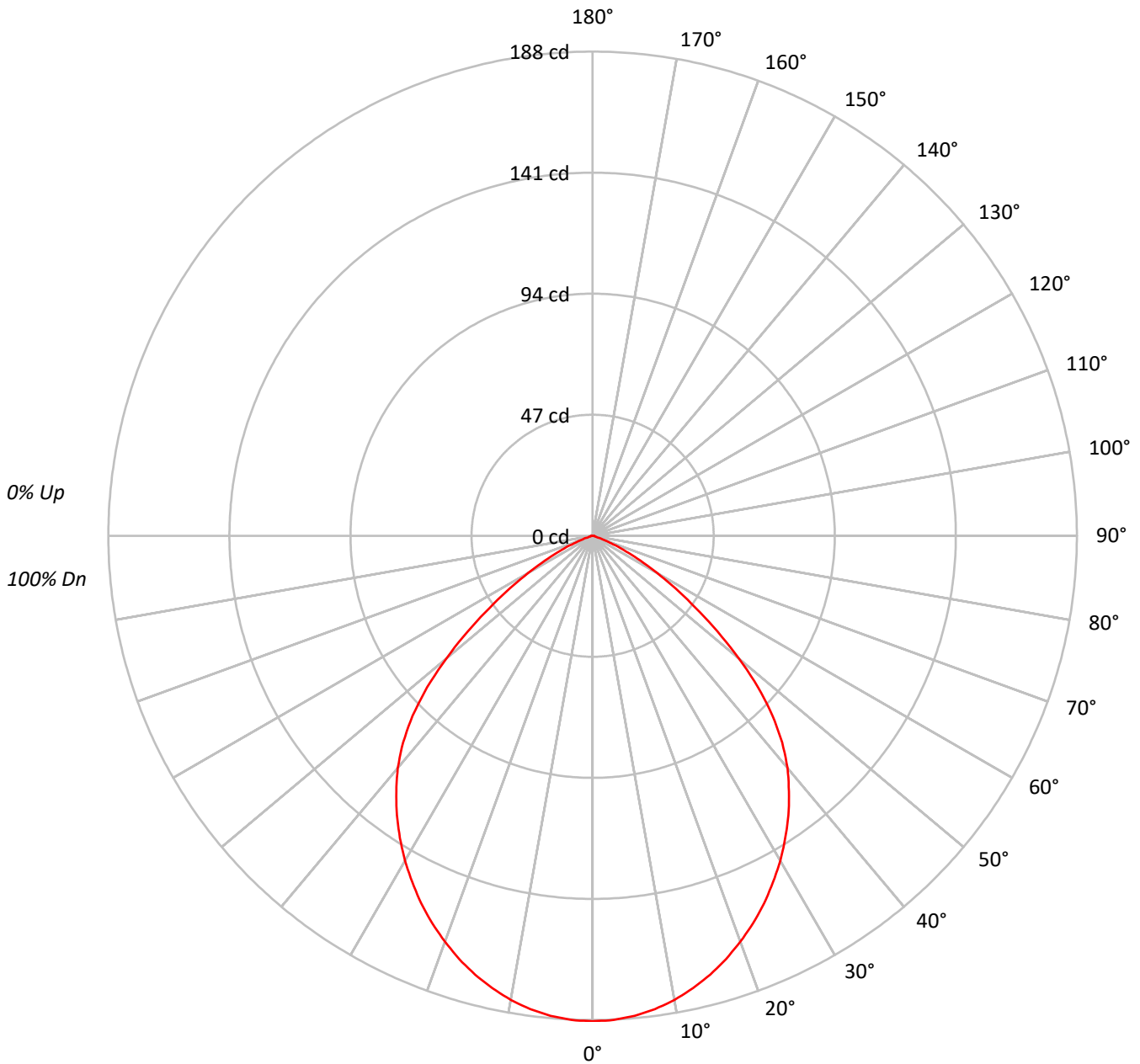
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 359.0 lumens  
Efficiency: N/A  
Efficacy: 49.9 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°	23158
5°	23074
10°	22829
15°	22436
20°	21925
25°	21350
30°	20669
35°	19872
40°	18876
45°	17166
50°	14162
55°	10431
60°	7076
65°	4157
70°	1652
75°	380
80°	495
85°	846



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.7	4.9
10°-20°	49.7	13.8
20°-30°	72.4	20.2
30°-40°	82.7	23.0
40°-50°	75.2	20.9
50°-60°	44.3	12.3
60°-70°	14.9	4.1
70°-80°	1.6	0.4
80°-90°	0.6	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°	139.8	38.9
0°-40°	222.5	62.0
0°-60°	342.0	95.3
0°-90°	359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	359.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	188	
5°	187	18
15°	176	50
25°	158	72
35°	132	83
45°	99	75
55°	49	44
65°	14	15
75°	1	2
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	188.5
2.5°	188.2
5°	187.1
7.5°	185.4
10°	183.0
12.5°	179.9
15°	176.4
17.5°	172.3
20°	167.7
22.5°	162.8
25°	157.5
27.5°	151.6
30°	145.7
32.5°	139.2
35°	132.5
37.5°	125.2
40°	117.7
42.5°	108.9
45°	98.8
47.5°	87.1
50°	74.1
52.5°	61.1
55°	48.7
57.5°	38.1
60°	28.8
62.5°	20.9
65°	14.3
67.5°	8.7
70°	4.6
72.5°	1.7
75°	0.8
77.5°	0.8
80°	0.7
82.5°	0.6
85°	0.6
87.5°	0.5
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)