

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: P839398

Luminaire Tested: **LD4C75D010 EU4759050 4LBPSMW**

Issue Date: 6/29/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P839398  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD4C75D010 EU4759050 4LBPSMW  
Description: 4 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

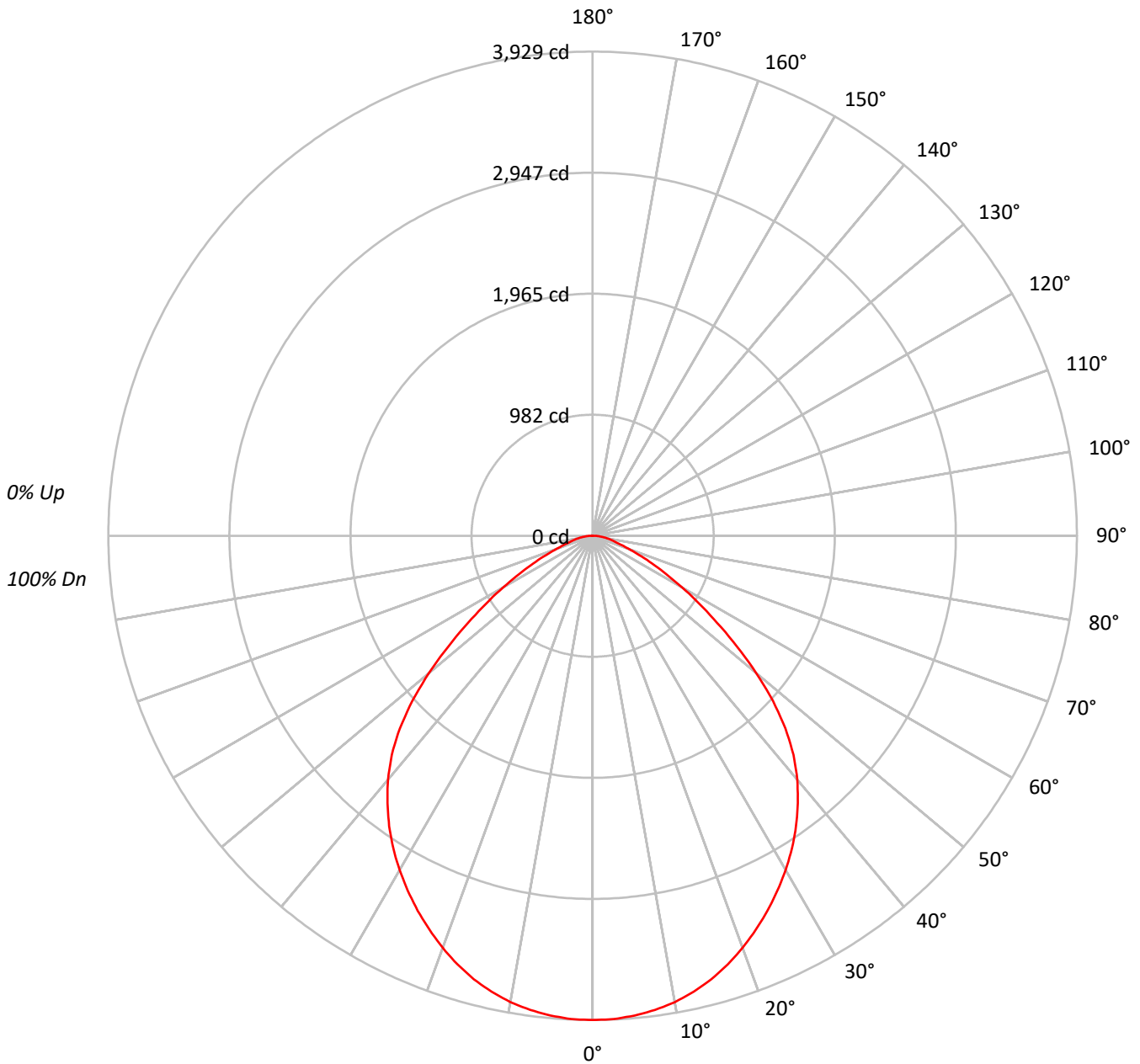
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8377.9 lumens  
Efficiency: N/A  
Efficacy: 102.8 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 81.5  
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	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30	30	30	30

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

	0°
0°	482716
5°	481933
10°	479309
15°	473760
20°	465153
25°	455081
30°	444246
35°	431572
40°	414197
45°	384228
50°	331011
55°	264052
60°	205558
65°	153865
70°	111675
75°	88526
80°	82917
85°	82602



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.0	4.4
10°-20°	1049.0	12.5
20°-30°	1545.9	18.5
30°-40°	1795.8	21.4
40°-50°	1688.0	20.1
50°-60°	1117.4	13.3
60°-70°	538.4	6.4
70°-80°	207.6	2.5
80°-90°	64.7	0.8
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°	2965.9	35.4
0°-40°	4761.7	56.8
0°-60°	7567.1	90.3
0°-90°	8377.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8377.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3929	
5°	3908	371
15°	3725	1049
25°	3357	1546
35°	2878	1796
45°	2212	1688
55°	1233	1117
65°	529	538
75°	186	208
85°	59	65
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3929.2
2.5°	3925.6
5°	3907.9
7.5°	3881.2
10°	3842.2
12.5°	3788.9
15°	3724.9
17.5°	3646.8
20°	3557.9
22.5°	3460.2
25°	3357.2
27.5°	3247.1
30°	3131.6
32.5°	3009.1
35°	2877.6
37.5°	2733.7
40°	2582.7
42.5°	2412.2
45°	2211.5
47.5°	1984.1
50°	1731.9
52.5°	1476.1
55°	1232.8
57.5°	1023.2
60°	836.6
62.5°	669.7
65°	529.3
67.5°	410.3
70°	310.9
72.5°	236.2
75°	186.5
77.5°	151.0
80°	117.2
82.5°	87.0
85°	58.6
87.5°	33.7
90°	0.0



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— 0°-180°







(END OF REPORT)