

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: P839353

Luminaire Tested: **LD4C60D010 EU4609050 4LBPSMW**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839353  
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: LD4C60D010 EU4609050 4LBPSMW  
Description: 4 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

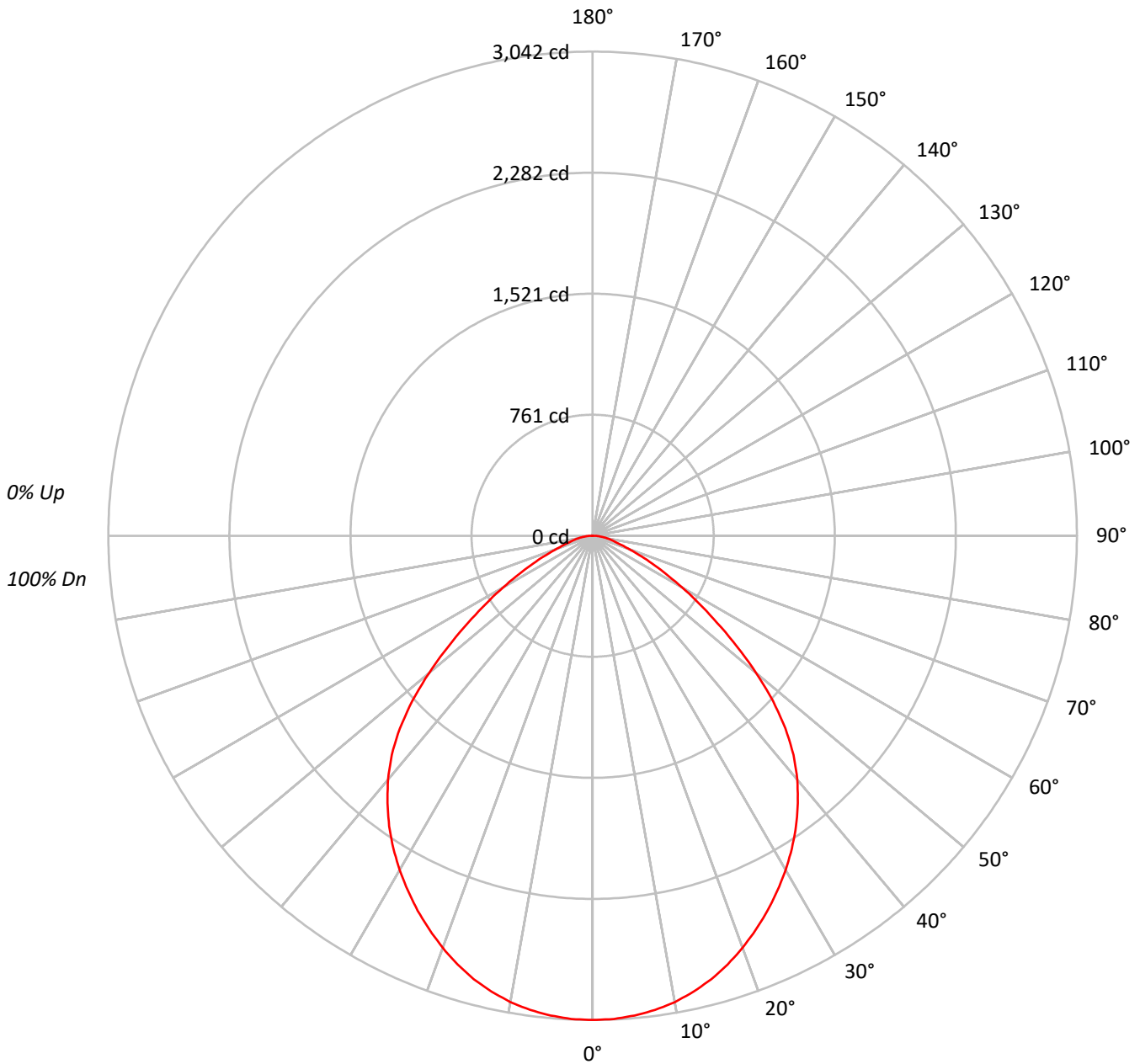
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6486.1 lumens  
Efficiency: N/A  
Efficacy: 90.1 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): 72  
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°	373708
5°	373101
10°	371065
15°	366770
20°	360118
25°	352318
30°	343923
35°	334117
40°	320667
45°	297462
50°	256262
55°	204422
60°	159144
65°	119127
70°	86459
75°	68542
80°	64240
85°	63995



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.2	4.4
10°-20°	812.1	12.5
20°-30°	1196.8	18.5
30°-40°	1390.3	21.4
40°-50°	1306.8	20.1
50°-60°	865.1	13.3
60°-70°	416.8	6.4
70°-80°	160.8	2.5
80°-90°	50.2	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°	2296.1	35.4
0°-40°	3686.4	56.8
0°-60°	5858.3	90.3
0°-90°	6486.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6486.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3042	
5°	3025	287
15°	2884	812
25°	2599	1197
35°	2228	1390
45°	1712	1307
55°	954	865
65°	410	417
75°	144	161
85°	45	50
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3041.9
2.5°	3039.1
5°	3025.4
7.5°	3004.7
10°	2974.5
12.5°	2933.2
15°	2883.7
17.5°	2823.2
20°	2754.5
22.5°	2678.8
25°	2599.1
27.5°	2513.8
30°	2424.4
32.5°	2329.5
35°	2227.8
37.5°	2116.4
40°	1999.5
42.5°	1867.5
45°	1712.1
47.5°	1536.1
50°	1340.8
52.5°	1142.8
55°	954.4
57.5°	792.1
60°	647.7
62.5°	518.4
65°	409.8
67.5°	317.7
70°	240.7
72.5°	182.9
75°	144.4
77.5°	116.9
80°	90.8
82.5°	67.4
85°	45.4
87.5°	26.1
90°	0.0



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— 0°-180°







(END OF REPORT)