

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: P839332

Luminaire Tested: **LD4C55D010 EU4559035 4LBPSMW**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839332  
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: LD4C55D010 EU4559035 4LBPSMW  
Description: 4 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

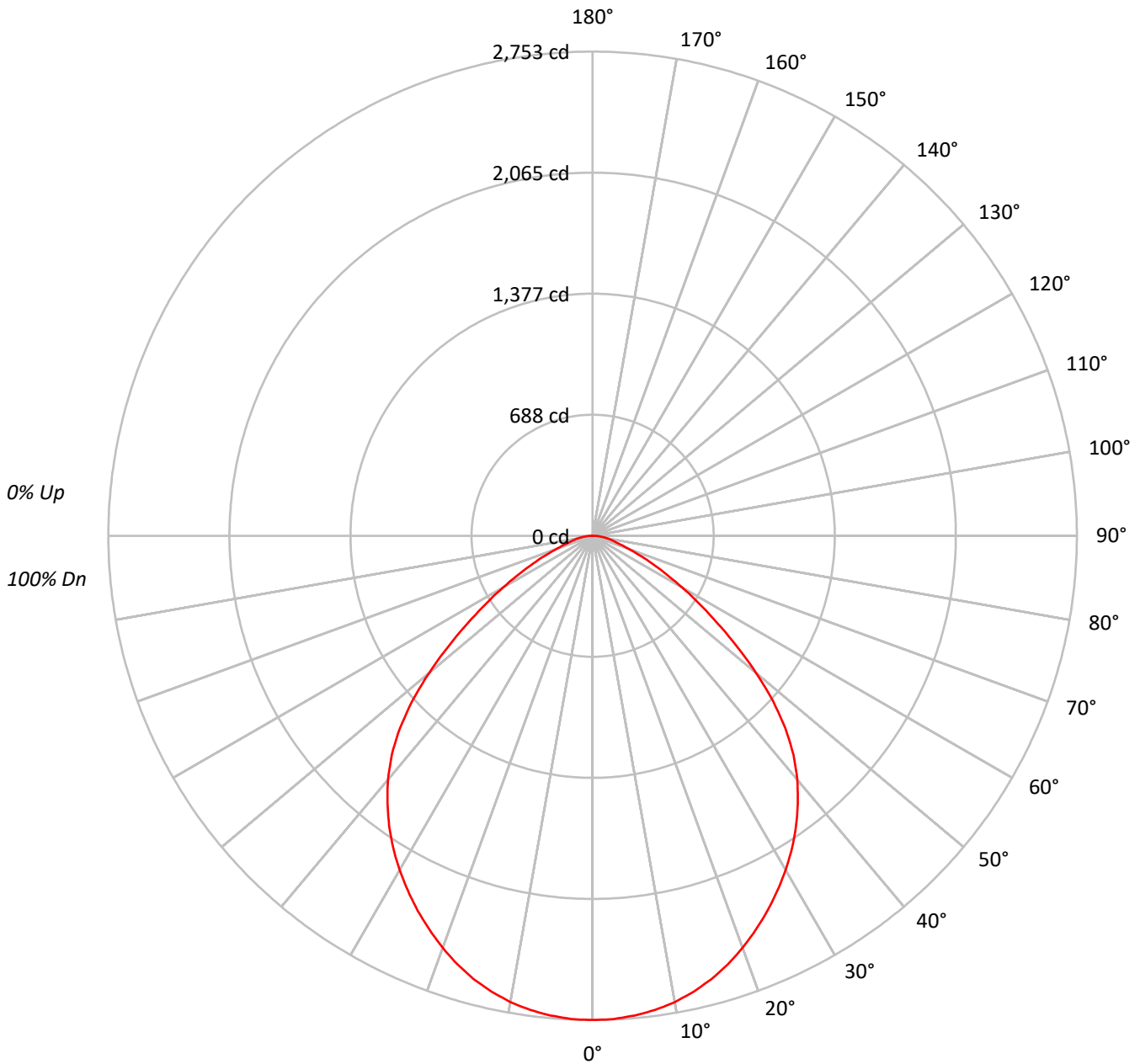
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5870.0 lumens  
Efficiency: N/A  
Efficacy: 91.9 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): 63.9  
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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88																			
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76																			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66																			
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51																			
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46																			
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41																			
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37																			
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33																			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30																			

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

	0°
0°	338216
5°	337658
10°	335823
15°	331933
20°	325917
25°	318850
30°	311267
35°	302382
40°	290212
45°	269212
50°	231912
55°	184995
60°	144033
65°	107819
70°	78234
75°	62039
80°	58085
85°	57934



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.9	4.4
10°-20°	735.0	12.5
20°-30°	1083.1	18.5
30°-40°	1258.3	21.4
40°-50°	1182.7	20.1
50°-60°	782.9	13.3
60°-70°	377.3	6.4
70°-80°	145.5	2.5
80°-90°	45.4	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°	2078.1	35.4
0°-40°	3336.3	56.8
0°-60°	5301.9	90.3
0°-90°	5870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5870.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2753	
5°	2738	260
15°	2610	735
25°	2352	1083
35°	2016	1258
45°	1550	1183
55°	864	783
65°	371	377
75°	131	145
85°	41	45
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2753.0
2.5°	2750.5
5°	2738.0
7.5°	2719.4
10°	2692.0
12.5°	2654.6
15°	2609.8
17.5°	2555.1
20°	2492.9
22.5°	2424.4
25°	2352.2
27.5°	2275.1
30°	2194.2
32.5°	2108.3
35°	2016.2
37.5°	1915.4
40°	1809.6
42.5°	1690.1
45°	1549.5
47.5°	1390.2
50°	1213.4
52.5°	1034.2
55°	863.7
57.5°	716.9
60°	586.2
62.5°	469.2
65°	370.9
67.5°	287.5
70°	217.8
72.5°	165.5
75°	130.7
77.5°	105.8
80°	82.1
82.5°	61.0
85°	41.1
87.5°	23.6
90°	0.0



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— 0°-180°







(END OF REPORT)