

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: P839404

Luminaire Tested: **LD4C80D010 EU4809030 4LBPSMW**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839404  
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: LD4C80D010 EU4809030 4LBPSMW  
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 4LBPS TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

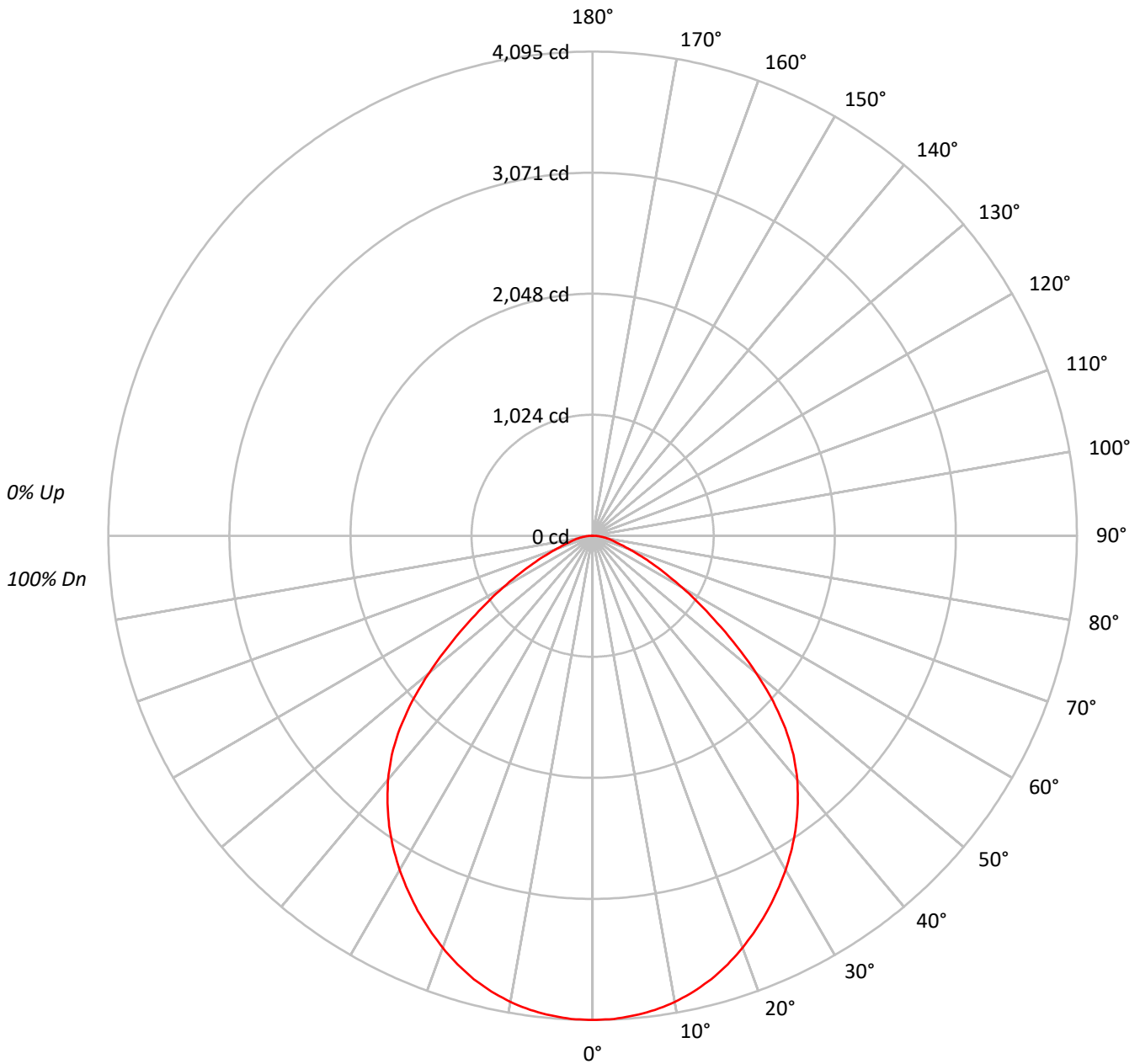
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8731.0 lumens  
Efficiency: N/A  
Efficacy: 97.6 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): 89.5  
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									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	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	98	98	98	95	95	95	95	88															
	1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88	88	88	88	84	84	84	82	82	82	82	76															
	2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76	76	76	76	72	72	72	69	69	69	69	66															
	3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66	66	66	66	63	63	63	62	62	62	62	58															
	4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58	58	58	58	55	55	55	54	54	54	54	51															
	5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51	51	51	51	49	49	49	48	48	48	48	46															
	6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46	46	46	46	44	44	44	43	43	43	43	41															
	7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41	41	41	41	41	39	39	39	39	39	39	37															
	8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37	37	37	37	37	35	35	35	35	35	35	33															
	9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33	33	33	33	33	33	33	33	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	30	30	30	30	30	30	30	30															

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

	0°
0°	503048
5°	502232
10°	499494
15°	493728
20°	484763
25°	474262
30°	462971
35°	449764
40°	431662
45°	400421
50°	344963
55°	275168
60°	214232
65°	160348
70°	116381
75°	92276
80°	86455
85°	86126



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	386.6	4.4
10°-20°	1093.2	12.5
20°-30°	1611.0	18.5
30°-40°	1871.5	21.4
40°-50°	1759.2	20.1
50°-60°	1164.5	13.3
60°-70°	561.1	6.4
70°-80°	216.4	2.5
80°-90°	67.5	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°	3090.9	35.4
0°-40°	4962.4	56.8
0°-60°	7886.0	90.3
0°-90°	8731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8731.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4095	
5°	4072	387
15°	3882	1093
25°	3499	1611
35°	2999	1871
45°	2305	1759
55°	1285	1164
65°	552	561
75°	194	216
85°	61	68
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4094.7
2.5°	4091.0
5°	4072.5
7.5°	4044.8
10°	4004.0
12.5°	3948.5
15°	3881.9
17.5°	3800.4
20°	3707.9
22.5°	3606.0
25°	3498.7
27.5°	3383.9
30°	3263.6
32.5°	3135.8
35°	2998.9
37.5°	2848.9
40°	2691.6
42.5°	2513.9
45°	2304.7
47.5°	2067.7
50°	1804.9
52.5°	1538.3
55°	1284.7
57.5°	1066.3
60°	871.9
62.5°	697.9
65°	551.6
67.5°	427.6
70°	324.0
72.5°	246.2
75°	194.4
77.5°	157.3
80°	122.2
82.5°	90.7
85°	61.1
87.5°	35.2
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)