

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: P839407

Luminaire Tested: **LD4C80D010 EU4809035 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839407
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 EU4809035 4LBPSMW
Description: 4 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

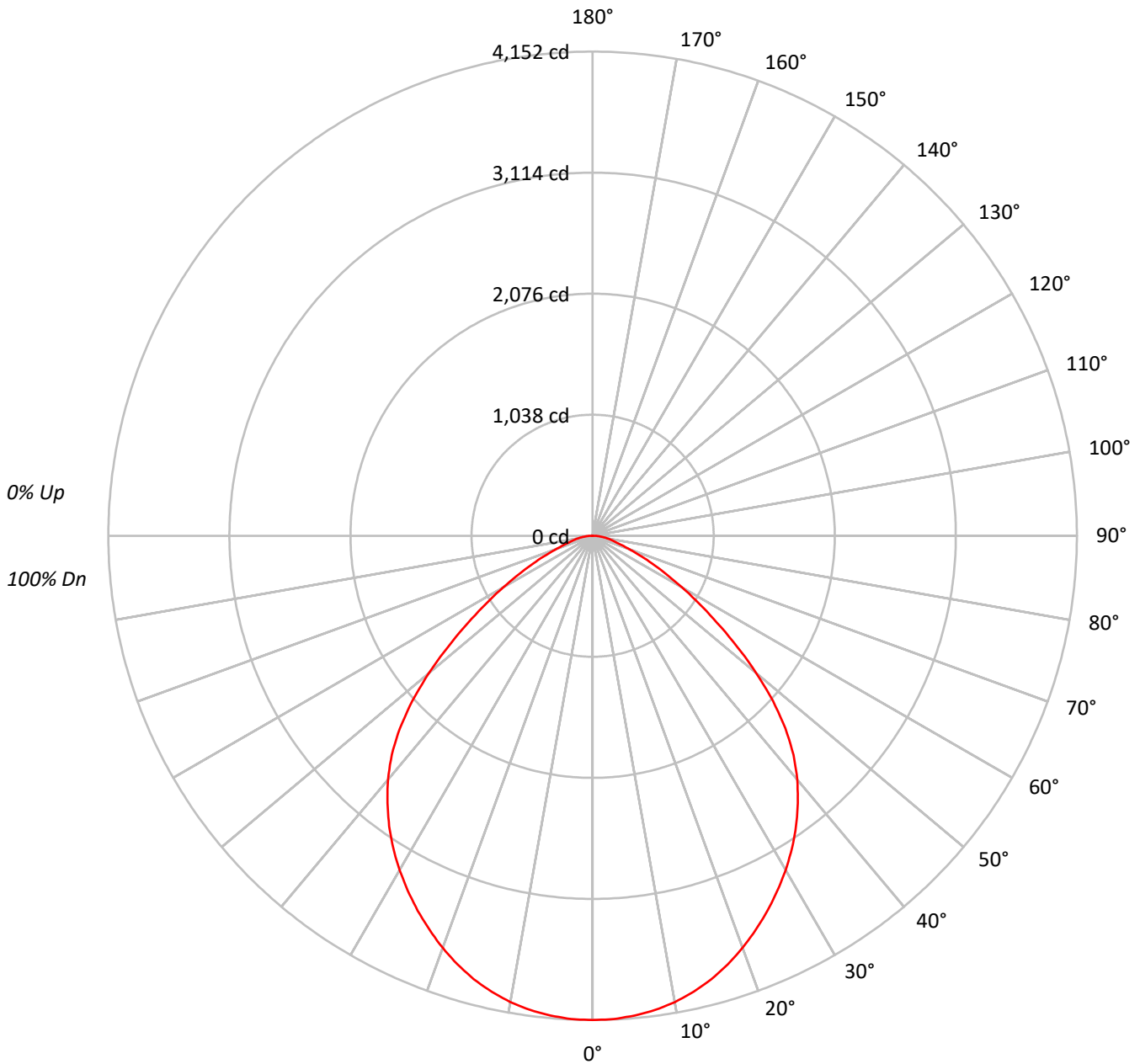
Lumens per Lamp: N/A
Luminaire Lumens: 8854.0 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 89.5
Input Voltage (V):
Input Current (A_{in}): 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°	510137
5°	509311
10°	506530
15°	500673
20°	491588
25°	480945
30°	469496
35°	456093
40°	437740
45°	406050
50°	349818
55°	279045
60°	217254
65°	162615
70°	117997
75°	93557
80°	87657
85°	87253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.1	4.4
10°-20°	1108.6	12.5
20°-30°	1633.7	18.5
30°-40°	1897.9	21.4
40°-50°	1783.9	20.1
50°-60°	1180.9	13.3
60°-70°	569.0	6.4
70°-80°	219.4	2.5
80°-90°	68.5	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°	3134.4	35.4
0°-40°	5032.3	56.8
0°-60°	7997.1	90.3
0°-90°	8854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8854.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4152	
5°	4130	392
15°	3936	1109
25°	3548	1634
35°	3041	1898
45°	2337	1784
55°	1303	1181
65°	559	569
75°	197	219
85°	62	68
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4152.4
2.5°	4148.7
5°	4129.9
7.5°	4101.7
10°	4060.4
12.5°	4004.1
15°	3936.5
17.5°	3853.9
20°	3760.1
22.5°	3656.8
25°	3548.0
27.5°	3431.6
30°	3309.6
32.5°	3180.0
35°	3041.1
37.5°	2889.1
40°	2729.5
42.5°	2549.3
45°	2337.1
47.5°	2096.9
50°	1830.3
52.5°	1560.0
55°	1302.8
57.5°	1081.3
60°	884.2
62.5°	707.7
65°	559.4
67.5°	433.6
70°	328.5
72.5°	249.7
75°	197.1
77.5°	159.6
80°	123.9
82.5°	92.0
85°	61.9
87.5°	35.7
90°	0.0



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— 0°-180°







(END OF REPORT)