

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: P839164

Luminaire Tested: **LD4C08D010 EU4089030 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839164
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: LD4C08D010 EU4089030 4LBPSMW
Description: 4 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

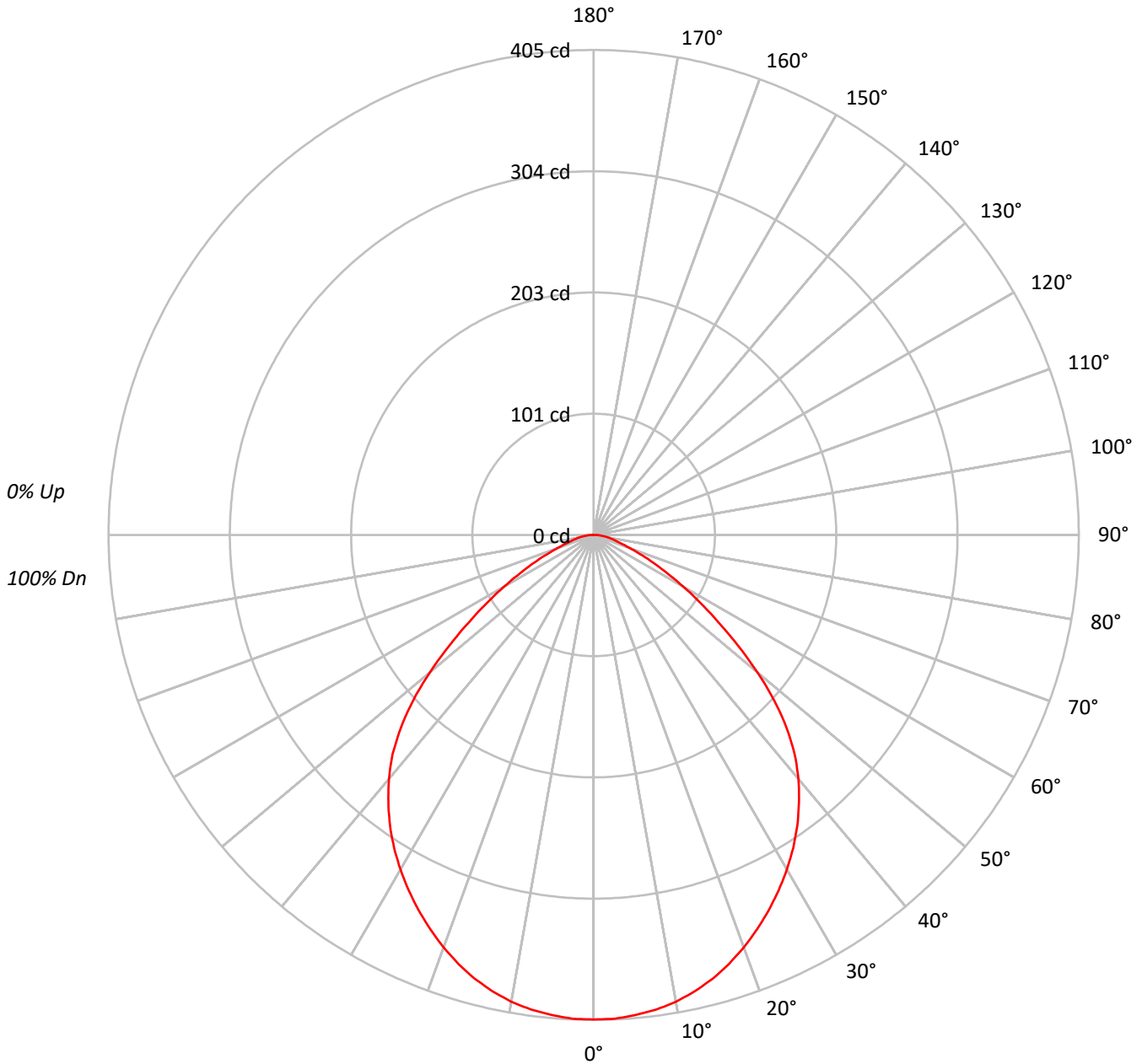
Lumens per Lamp: N/A
Luminaire Lumens: 863.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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									
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°	49719
5°	49637
10°	49376
15°	48802
20°	47915
25°	46875
30°	45764
35°	44453
40°	42659
45°	39578
50°	34097
55°	27202
60°	21180
65°	15843
70°	11494
75°	9114
80°	8561
85°	8458



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	4.4
10°-20°	108.1	12.5
20°-30°	159.2	18.5
30°-40°	185.0	21.4
40°-50°	173.9	20.1
50°-60°	115.1	13.3
60°-70°	55.5	6.4
70°-80°	21.4	2.5
80°-90°	6.7	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°	305.5	35.4
0°-40°	490.5	56.8
0°-60°	779.5	90.3
0°-90°	863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	405	
5°	402	38
15°	384	108
25°	346	159
35°	296	185
45°	228	174
55°	127	115
65°	54	55
75°	19	21
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	404.7
2.5°	404.4
5°	402.5
7.5°	399.8
10°	395.8
12.5°	390.3
15°	383.7
17.5°	375.6
20°	366.5
22.5°	356.4
25°	345.8
27.5°	334.5
30°	322.6
32.5°	310.0
35°	296.4
37.5°	281.6
40°	266.0
42.5°	248.5
45°	227.8
47.5°	204.4
50°	178.4
52.5°	152.1
55°	127.0
57.5°	105.4
60°	86.2
62.5°	69.0
65°	54.5
67.5°	42.3
70°	32.0
72.5°	24.3
75°	19.2
77.5°	15.6
80°	12.1
82.5°	9.0
85°	6.0
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)