

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: P839146

Luminaire Tested: **LD4C05D010 EU4059027 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839146
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: LD4C05D010 EU4059027 4LBPSMW
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

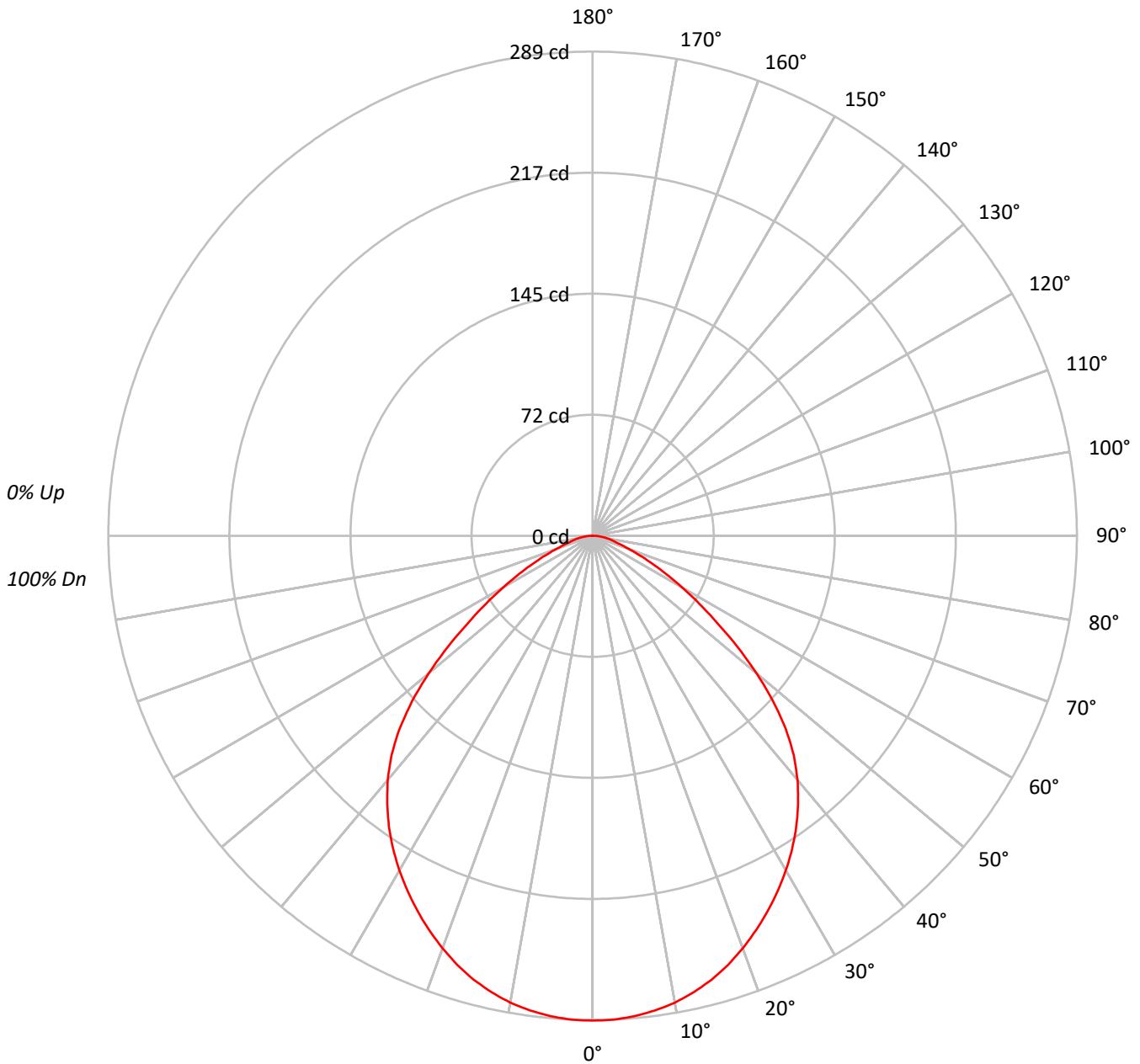
Lumens per Lamp: N/A
Luminaire Lumens: 616.9 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35554
5°	35492
10°	35304
15°	34887
20°	34253
25°	33509
30°	32713
35°	31780
40°	30503
45°	28302
50°	24369
55°	19448
60°	15136
65°	11337
70°	8226
75°	6503
80°	6084
85°	6061



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	4.4
10°-20°	77.3	12.5
20°-30°	113.8	18.5
30°-40°	132.2	21.4
40°-50°	124.3	20.1
50°-60°	82.3	13.3
60°-70°	39.6	6.4
70°-80°	15.3	2.5
80°-90°	4.8	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°	218.4	35.4
0°-40°	350.7	56.8
0°-60°	557.3	90.3
0°-90°	616.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	289	
5°	288	27
15°	274	77
25°	247	114
35°	212	132
45°	163	124
55°	91	82
65°	39	40
75°	14	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	289.4
2.5°	289.1
5°	287.8
7.5°	285.8
10°	283.0
12.5°	279.0
15°	274.3
17.5°	268.6
20°	262.0
22.5°	254.8
25°	247.2
27.5°	239.1
30°	230.6
32.5°	221.6
35°	211.9
37.5°	201.3
40°	190.2
42.5°	177.6
45°	162.9
47.5°	146.1
50°	127.5
52.5°	108.7
55°	90.8
57.5°	75.4
60°	61.6
62.5°	49.3
65°	39.0
67.5°	30.2
70°	22.9
72.5°	17.4
75°	13.7
77.5°	11.1
80°	8.6
82.5°	6.4
85°	4.3
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)