

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: P839149

Luminaire Tested: **LD4C05D010 EU4059030 4LBPSMW**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839149
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 EU4059030 4LBPSMW
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBPS TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

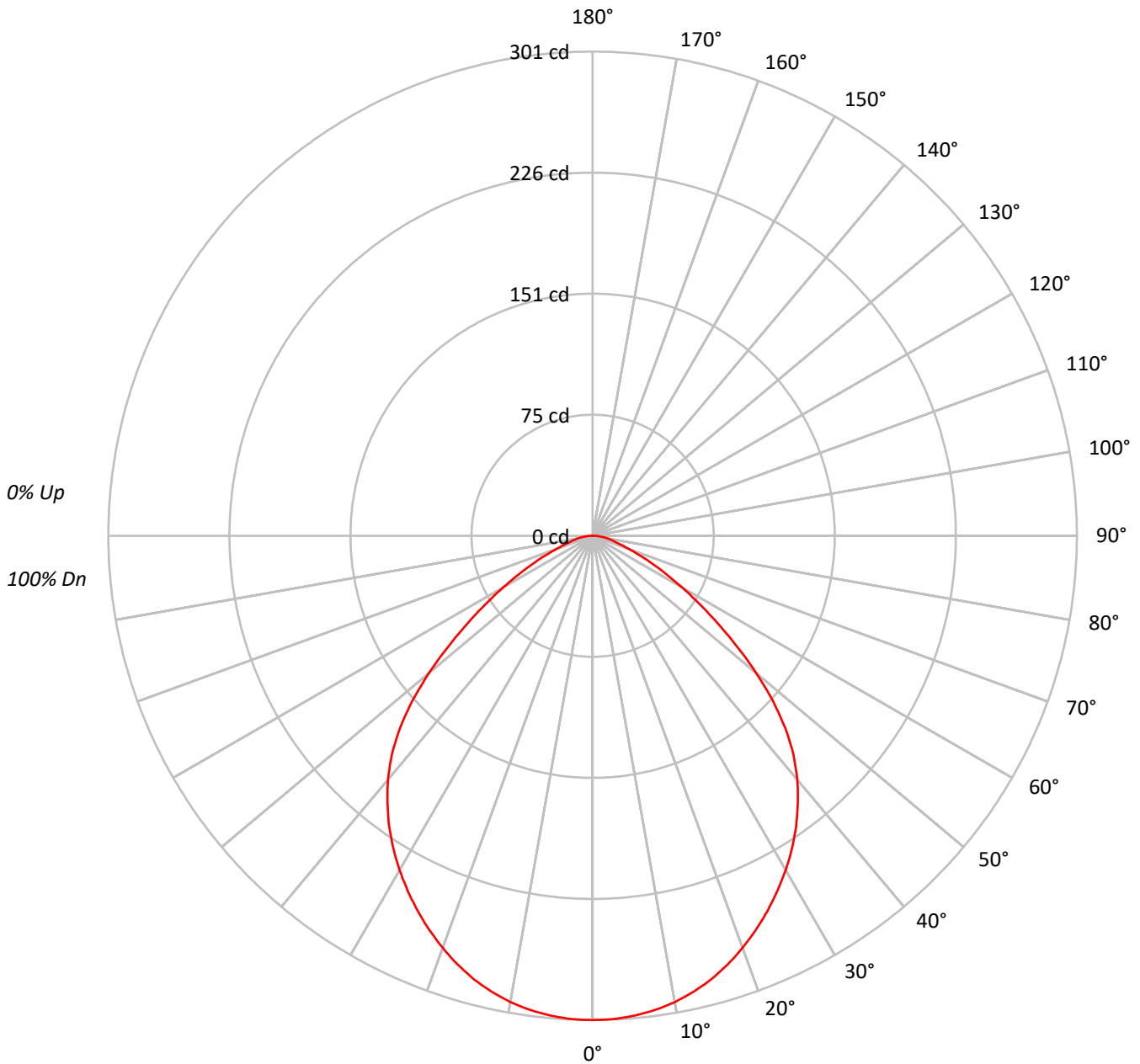
Lumens per Lamp: N/A
Luminaire Lumens: 642.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	36991
5°	36935
10°	36726
15°	36299
20°	35639
25°	34878
30°	34046
35°	33070
40°	31738
45°	29449
50°	25362
55°	20241
60°	15750
65°	11802
70°	8549
75°	6788
80°	6367
85°	6343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	4.4
10°-20°	80.4	12.5
20°-30°	118.5	18.5
30°-40°	137.6	21.4
40°-50°	129.3	20.1
50°-60°	85.6	13.3
60°-70°	41.2	6.4
70°-80°	15.9	2.5
80°-90°	5.0	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°	227.3	35.4
0°-40°	364.9	56.8
0°-60°	579.9	90.3
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	301	
5°	300	28
15°	285	80
25°	257	118
35°	220	138
45°	170	129
55°	94	86
65°	41	41
75°	14	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	301.1
2.5°	300.8
5°	299.5
7.5°	297.4
10°	294.4
12.5°	290.3
15°	285.4
17.5°	279.4
20°	272.6
22.5°	265.2
25°	257.3
27.5°	248.8
30°	240.0
32.5°	230.6
35°	220.5
37.5°	209.5
40°	197.9
42.5°	184.8
45°	169.5
47.5°	152.0
50°	132.7
52.5°	113.1
55°	94.5
57.5°	78.4
60°	64.1
62.5°	51.3
65°	40.6
67.5°	31.4
70°	23.8
72.5°	18.1
75°	14.3
77.5°	11.6
80°	9.0
82.5°	6.7
85°	4.5
87.5°	2.6
90°	0.0



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— 0°-180°







(END OF REPORT)